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last update 2018-12-20

EUR

USD

1,00

1,13956

2018-12-20

LASER DIODES - UV

EUR

USD



UV laser diodes
cw mode
5.6 mm package
375 - 430 nm

1-9 pcs.

1-9 pcs.

RLU4116E, **375 nm**, 70 mW, 5.6 mm

4.700,00

5.355,93

RLT390-50CMG, **390 ±2 nm**, 50 mW cw, 5.6 mm, **without photodiode**

o.r.

o.r.

RLT395-50CMG, **395 ±2 nm**, 50 mW cw, 5.6 mm, **without photodiode**

o.r.

o.r.

RLU4316E, **395 nm**, 120 mW, 5.6 mm

4.700,00

5.355,93

RLT400-50CMG, **400 ±2 nm**, 50 mW cw, 5.6 mm, **without photodiode**

o.r.

o.r.

LASER DIODES - VIOLET

EUR

USD



violet laser diodes
cw and pulse mode
TO-can package

405 - 415 nm

1-9 pcs.

1-9 pcs.

DL-3146-151, **405 nm**, 5 mW, 5.6 mm, SANYO

18,13

20,66

RLT405-20MG, **405 nm**, 20 mW, 5.6 mm

19,90

22,68

DL-4146-101S, **405 nm**, 20 mW, 75 °C, 5.6 mm, SANYO

28,90

32,93

DL-4146-301S, **405 nm**, 20 mW, 75 °C, 5.6 mm, SANYO, **without photodiode**

26,01

29,64

DL-5146-101S, **405 nm**, 40 mW, 75 °C, 5.6 mm, SANYO

25,43

28,98

RLT405-50CMG, **405 ±2 nm**, 50 mW cw, 5.6 mm, **without photodiode**

599,00

682,60

DL-LS5017, **405 nm**, 60 mW, 50 °C, 5.6 mm, SANYO, **without photodiode**

28,90

32,93

DL-7146-101S, **405 nm**, 80 mW, 75 °C, 5.6 mm, SANYO

60,39

68,82

DL-7146-301S, **405 nm**, 80 mW, 75 °C, 5.6 mm, SANYO, **without photodiode**

44,40

50,60

SLD3235VF, **405 nm**, 100 mW, 80 °C, 5.6 mm, SONY

39,90

45,47

RLV4313, **405 nm**, 120 mW, 70 °C, 5.6 mm, (**short pins**)

147,38

167,95

RLV4512, **405 nm**, 200 mW, 70 °C, 5.6 mm, **without photodiode**

183,48

209,09

RLT405200MGs, **405 nm**, 200 mW, sm, 70 °C, **3.8 mm without photodiode NEW!!**

99,70

113,61

RLT405500MG, **405 nm**, 500 mW, 50 °C, 5.6 mm **without photodiode NEW!!**

219,00

249,56

RLT410-50CMG, **410 ±2 nm**, 50 mW cw, 5.6 mm, **without photodiode**

599,00

682,60

RLT415-50CMG, **415 ±2 nm**, 50 mW cw, 5.6 mm, **without photodiode**

599,00

682,60

RLT415-50PMG, **415 nm**, 50 mW, 200 ns **pulse**, mm, 40 °C, 5.6 mm

598,00

681,46

RLT415-200PMG, **415 nm**, 200 mW, 200 ns **pulse**, mm, 40 °C, 5.6 mm

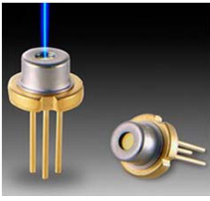
850,00

968,63


LASER DIODES - BLUE

EUR


USD

	<p>blue laser diodes cw mode TO-can package</p>	<p>420 - 488 nm</p>		
RLT420-50CMG, 420 ±2 nm , 50 mW cw, 5.6 mm, without photodiode			599,00	682,60
RLT425-50CMG, 425 ±2 nm , 50 mW cw, 5.6 mm, without photodiode			599,00	682,60
RLT430-50CMG, 430 ±2 nm , 50 mW cw, 5.6 mm, without photodiode			599,00	682,60
RLT435-50CMG, 435 ±2 nm , 50 mW cw, 5.6 mm, without photodiode			599,00	682,60
RLT440-50CMG, 440 ±2 nm , 50 mW cw, 5.6 mm, without photodiode			599,00	682,60
RLT445-50CMG, 445 ±2 nm , 50 mW cw, 5.6 mm, without photodiode			599,00	682,60
RLT450-50CMG, 450 ±2 nm , 50 mW cw, 5.6 mm, without photodiode			599,00	682,60
SHD4580MG, 450 nm , 80 mW, 70 °C, 5.6 mm, without photodiode			45,40	51,74
LD-450-80MG, 450 nm , 80 mW, 70 °C, 5.6 mm, without photodiode			48,20	54,93
LD-450-100SG, 450 nm , 100 mW, 70 °C, 3.8 mm , without photodiode			59,80	68,15
LD-450-1600MG, 450 nm , 1.6 W, 70 °C, 5.6 mm, without photodiode			64,80	73,84
NLD453500G, 450 nm , 3.5 W, 50 °C, 9 mm, without photodiode			249,00	283,75
NLD455000G, 442 nm , 5.0 W, 65 °C, 9 mm, without photodiode			348,00	396,57
RLT455-50CMG, 455 ±2 nm , 50 mW cw, 5.6 mm, without photodiode			599,00	682,60
RLT460-50CMG, 460 ±2 nm , 50 mW cw, 5.6 mm, without photodiode			599,00	682,60
RLT465-50CMG, 465 ±2 nm , 50 mW cw, 5.6 mm, without photodiode			o.r.	o.r.
RLT470-50CMG, 470 ±2 nm , 50 mW cw, 5.6 mm, without photodiode			o.r.	o.r.
RLA4116, 473 nm , 100 mW, 60 °C, 5.6 mm			5.736,00	6.536,52
LD-488-60MG, 488 nm , 60 mW, 60 °C, 5.6 mm			1.799,00	2.050,07
RLS4116, 488 nm , 60 mW, 60 °C, 5.6 mm			5.736,00	6.536,52

LASER DIODES - GREEN


		EUR	USD	
	<p>direct emitting green laser diodes cw mode, modulable > 100 MHz</p> <p>--> laser projection</p> <p>520 nm</p>			
RLT510-50MGS, 510 nm , 50 mW, single mode, 60 °C, 5.6 mm, without PD NEW!!			95,20	108,49
LD-515-10MG, 515 nm , 10 mW, 60 °C, 5.6 mm			36,90	42,05
LD-515-30SG, 515 nm , 30 mW, 70 °C, 3.8 mm , without photodiode			62,50	71,22
RLT520-50MGS, 520 nm , 40 mW, single mode, 60 °C, 5.6 mm, NEW!!			95,20	108,49
LD-520-50SG, 520 nm , 50 mW, 70 °C, 3.8 mm , without photodiode			74,90	85,35
LD-520-50MG, 520 nm , 50 mW, 60 °C, 5.6 mm			48,00	54,70
LD-520-80SG, 520 nm , 80 mW, 70 °C, 3.8 mm , without photodiode			99,00	112,82
NLD52100SG, 520 nm , 100 mW, 50 °C, 3.8 mm , without photodiode			146,00	166,38
NLD521000G, 520 nm , 1 W, 50 °C, 9 mm, without photodiode			349,00	397,71

LASER DIODES - RED

		EUR	USD	
	<p>red laser diodes TO-can, TO3, and C-mount package</p> <p>635 - 655 nm</p>	<p>1-9 pcs.</p>	<p>1-9 pcs.</p>	
S6305MG, 635 nm , 5 mW, sm, 50°C, 5.6 mm			4,62	5,26
QL63D4SA, 635 nm , 5 mW, sm, 40 °C, 5.6 mm			5,86	6,68
QL63D5SA, 635 nm , 5 mW, sm, 50 °C, 5.6 mm			6,03	6,87
ADL-63102TL, 635 nm , 10 mW, sm, 50 °C, 5.6 mm			14,76	16,82
S6310MG, 635 nm , 10 mW, sm, 5.6 mm			15,79	17,99


QL63F5SA, 635 nm , 10 mW, sm, 50 °C, 5.6 mm	15,25	17,38
QL63H5SA, 635 nm , 20 mW, sm, 50 °C, 5.6 mm	19,90	22,68
ADL-63301TL, 635 nm , 30 mW, sm, 40 °C, 5.6 mm	29,60	33,73
ADL-63302TL, 635 nm , 30 mW, sm, 50 °C, 5.6 mm	41,10	46,84
RLT635-30MGS, 638 nm , 30 mW, single mode, 40 °C, 5.6 mm, NEW!!	38,10	43,42
RLT635-50MGS, 638 nm , 50 mW, single mode, 50 °C, 5.6 mm, NEW!!	66,70	76,01
RLT635-100G, 635 nm , 100 mW, mm, 9 mm, without photodiode	154,00	175,49
RLT635-100GPD, 635 nm , 100 mW, mm, 9 mm	o.r.	o.r.
RLT635-150-C, 635 nm , 150 mW, mm, C-mount	219,00	249,56
RLT635-150-TO3, 635 nm , 150 mW, mm, TO3	179,90	205,01
RLT635-180MGE, 638 nm , 180 mW, single mode, 50 °C, 5.6 mm, without PD NEW!!	57,10	65,07
RLT635-300-TO3, 635 nm , 300 mW, mm, TO3	369,00	420,50
RLT635-500-TO3, 635 nm , 500 mW, mm, TO3	444,00	505,96
ADL-63V0BTP, 638 nm , 500 mW, mm, 30 °C, 5.6 mm, without photodiode	69,90	79,66
S6430MG, 640 nm , 30 mW, sm, 50°C, 5.6 mm	28,40	32,36
RLT65300T, 650 nm , 300 mW, mm, TO3, without photodiode	152,00	173,21
RLT650-500-T, 650 nm , 500 mW, mm, TO3, without photodiode	275,00	313,38
RLT650-500G, 650 nm , 500 mW, mm, 9 mm	155,00	176,63
RLT650-1000-C, 650 nm , 1 W, mm, C-mount	395,00	450,13
QL65D5SA, 650 nm , 5 mW, sm, 50 °C, 5.6 mm	3,19	3,64
QL65D6SA, 655 nm , 5 mW, sm, 60 °C, 5.6 mm	3,77	4,30
S6505MG, 655 nm , 5 mW, sm, 5.6 mm	3,57	4,07
S6505SMD, 650 nm , 5 mW, sm, 70 °C, SMD 5630, 5.6x3.0x0.8mm	3,86	4,40
ADL-65052TL, 655 nm , 5 mW, sm, 50 °C, 5.6 mm, lowest operating current typ. 16 mA	3,40	3,87
QL65E7SA, 655 nm , 7 mW, sm, 70 °C, 5.6 mm	8,86	10,10
QL65E7SB, 655 nm , 7 mW, sm, 70 °C, 5.6 mm	8,43	9,61
QL65E7SC, 655 nm , 7 mW, sm, 70 °C, 5.6 mm	8,43	9,61
ADL-65075SL, 655 nm , 7 mW, sm, 70 °C, 3.3 mm , small package	7,04	8,02
ADL-65075SR, 655 nm , 7 mW, sm, 70 °C, 3.3 mm , small package	5,10	5,81
ADL-65077SU, 655 nm , 7 mW, sm, 70 °C, 3.3 mm , small package	7,36	8,39
ADL-65074TR, 655 nm , 7 mW, sm, 85 °C, 5.6 mm, high temperature	6,77	7,71
ADL-65075TA4, 650 nm , 7 mW, sm, 70 °C, 5.6 mm, integrated LD driver , APC, 3.0 VDC	5,32	6,06
QL65F6SA, 655 nm , 10 mW, sm, 60 °C, 5.6 mm	6,49	7,40
QL65F7SA, 655 nm , 10 mW, sm, 70 °C, 5.6 mm, high temperature	13,10	14,93
S6510MG, 655 nm , 10 mW, sm, 5.6 mm	9,54	10,87
S6530MG, 660 nm , 30 mW, mm, 5.6 mm	29,60	33,73
QL65I7SA, 655 nm , 30 mW, sm, 70 °C, 5.6 mm	29,90	34,07
RLT650-50MGS, 658 nm , 50 mW, single mode, 60 °C, 5.6 mm, NEW!!	47,60	54,24
RLT650-100MGS, 658 nm , 100 mW, single mode, 60 °C, 5.6 mm, NEW!!	114,30	130,25
RLT650-100MGE, 658 nm , 100 mW, single mode, 60 °C, 5.6 mm, without PD NEW!!	33,40	38,06
RLT650-150MGE, 658 nm , 150 mW, single mode, 60 °C, 5.6 mm, without PD NEW!!	42,90	48,89
RLT650-180MGE, 658 nm , 180 mW, single mode, 50 °C, 5.6 mm, without PD NEW!!	57,10	65,07


LASER DIODES - RED


	EUR	USD
 <p>red laser diodes TO-can, TO3, and C-mount package</p> <p>660 - 690 nm</p>	1-9 pcs.	1-9 pcs.
RLT6615G, 660 nm , 15 mW, sm, 9 mm	16,00	18,23
RLT6620G, 660 nm , 20 mW, sm, 9 mm	58,51	66,68
ADL-66201TL, 660 nm , 20 mW, sm, 60 °C, 5.6 mm	18,00	20,51
ADL-66302TL, 660 nm , 30 mW, sm, 60 °C, 5.6 mm	28,80	32,82
QL65J7SA, 660 nm , 50 mW, sm, 75 °C, lop typ. 90 mA, 5.6 mm	64,60	73,62
ADL-66505TL, 660 nm , 50 mW, sm, 60 °C, 5.6 mm, high temp., high power, high reliability	39,80	45,35
RLT6650G, 660 nm , 50 mW, sm, 9 mm	190,80	217,43
RLT6650GLI, 665 nm , 50 mW, mm, 9 mm	222,60	253,67
RLT6660MG, 660 nm , 60 mW, sm, 5.6 mm, without photodiode	64,66	73,68

RLT6680MGOP, 660 nm , 80 mW, sm, 5.6 mm, without photodiode	52,00	59,26
RLT6680MG, 660 nm , 80/160 mW cw/pulse, sm, 5.6 mm, without photodiode	76,00	86,61
RLT66100MGOP, 660 nm , 100 mW, mm, 5.6 mm, without photodiode	42,00	47,86
RLT66100MG, 660 nm , 100 mW, mm, 5.6 mm	52,80	60,17
S66100MG, 660 nm , 100 mW, mm, 50°C, I _{OP} typ. 190mA, 5.6 mm	37,00	42,16
S66150MG, 660 nm , 150 mW, mm, 50°C, I _{OP} typ. 280mA, 5.6 mm	42,00	47,86
QL67D6SA, 670 nm , 5 mW, sm, 60 °C, 5.6 mm	8,30	9,46
S6705MG, 670 nm , 5 mW, sm, 5.6 mm	6,20	7,07
QL67F6SA, 670 nm , 10 mW, sm, 60 °C, 5.6 mm	21,90	24,96
RLT67300T, 670 nm , 300 mW, mm, TO3, without photodiode	199,00	226,77
RLT67300C, 670 nm , 300 mW, mm, C-Mount, without photodiode	199,00	226,77
QL68I6SA, 685 nm , 30 mW, 60 °C, sm, 5.6 mm	44,00	50,14
QL68J6SA, 685 nm , 50 mW, 60 °C, sm, 5.6 mm	61,60	70,20

LASER DIODES - IR

	EUR	USD
 <p>infrared laser diodes TO-can, TO3, and C-mount package</p> <p>760 - 808 nm</p>	1-9 pcs.	1-9 pcs.
RLT700-50MGS, 700 nm , 50 mW, sm, 60 °C, 5.6 mm	699,00	796,55
RLT730-50MGS, 730 nm , 50 mW, sm, 60 °C, 5.6 mm	699,00	796,55
RLT735-10GS, 735 nm , 10 mW, sm, 9 mm	438,00	499,13
RLT760-10GS, 760 nm , 10 mW, sm, 9 mm	359,00	409,10
QL78D6SA, 780 nm , 5 mW, sm, 60 °C, 5.6 mm	5,50	6,27
QL78D6SB, 780 nm , 5 mW, sm, 60 °C, 5.6 mm	9,96	11,35
QL78F6SA, 780 nm , 10 mW, sm, 60 °C, 5.6 mm	11,50	13,10
QL78I6SA, 780 nm , 25 mW, sm, 60 °C, 5.6 mm	19,80	22,56
QL78J6SA, 780 nm , 50 mW, sm, 60 °C, 5.6 mm	25,00	28,49
RLT7870MG, 780 nm , 70 mW, sm, 5.6 mm, without photodiode	77,18	87,95
RLT7890MG, 785 nm , 90 mW, sm, 5.6 mm, without photodiode	79,50	90,60
RLT785-100MGS, 785 nm , 100 mW, single mode, 50°C, 5.6 mm	52,00	59,26
RLT785-150MGS, 785 nm , 150 mW, single mode, 50°C, 5.6 mm	149,00	169,79
RLT780-100GS, 780 nm , 100 mW, sm, 9 mm	488,00	556,11
RLT780-150GS, 780 nm , 150 mW, sm, 9 mm	514,00	585,73
RLT780-1000G, 785 nm , 1 W, mm, 9 mm	180,82	206,06
RLT80805MG, 808 nm , 5 mW, sm, 5.6 mm	39,54	45,06
RLT80810MG, 808 nm , 10 mW, sm, 5.6 mm	25,00	28,49
RLT808-50G, 808 nm , 50 mW, single mode, 50°C, 9 mm	82,00	93,44
RLT808-100G, 808 nm , 100 mW, single mode, 50°C, 9 mm	96,00	109,40
RLT808-150GS, 808 nm , 150 mW, sm, 9 mm	560,00	638,15
ADL-80Y04TZ, 808 nm , 200 mW, mm, 50 °C, 5.6 mm, without photodiode	12,50	14,24
ADL-80Y05TZ, 808 nm , low threshold, 200 mW, mm, 50 °C, 5.6 mm, without photodiode	14,90	16,98
SLD302V, SONY, 808 nm , 200 mW, mm, 9 mm	83,74	95,43
S808200MG, 808 nm , 200 mW, mm, 50 um, 5.6 mm	14,90	16,98
S808200SMD, 808 nm , 200 mW, mm, 50 °C, SMD 5630, 5.6x3.0x0.8mm	15,20	17,32
LDM-0808-300m-91, 808 ±5 nm , 300 mW, mm, 9 mm	44,00	50,14
LDM-0808-300m-11, 808 ±5 nm , 300 mW, mm, C-mount	35,00	39,88
LDM-0808-300m-31, 808 ±5 nm , 300 mW, mm, TO3	40,00	45,58
S808500MG, 808 nm , 500 mW, mm, 50°C, I _{OP} typ. 520mA, 5.6 mm	19,90	22,68
ADL-80V03TL, 808 nm , 500 mW, mm, 50 °C, 5.6 mm	49,80	56,75
RLT808500G, 808 nm , 500 mW, mm, 9 mm	24,00	27,35
RLCO-808-500G, 808 nm , 500 mW, mm, 9 mm	45,00	51,28
LDM-0808-500m-92, 808 ±5 nm , 500 mW, mm, 9 mm	45,00	51,28
LDM-0808-500m-12, 808 ±5 nm , 500 mW, mm, C-mount	38,30	43,65
LDM-0808-500m-32, 808 ±5 nm , 500 mW, mm, TO3	44,00	50,14
S8081000G, 808 nm , 1 W, mm, 50°C, I _{OP} typ. 1.2 A, 9 mm	62,00	70,65
S8081WG, 808 nm , 1 W, mm, 50°C, I _{OP} typ. 1.2 A, 9 mm, without photodiode, no window glass	59,90	68,26

RLCO-808-1000G, 808 nm , 1 W, mm, 9 mm	78,00	88,89
LDM-0808-1000-93, 808 ±5 nm , 1 W, mm, 9 mm	87,00	99,14
LDM-0808-001W-13, 808 ±5 nm , 1 W, mm, C-mount	102,00	116,24
LDM-0808-001w-33, 808 ±5 nm , 1 W, mm, TO3	105,00	119,65
LDM-0808-002w-15, 808 ±5 nm , 2 W, mm, C-mount	138,00	157,26
LDM-0808-002w-35, 808 ±5 nm , 2 W, mm, TO3	230,00	262,10
RLCO-808-2000-CT, 808 nm , 2 W, mm, CT-mount	93,00	105,98
RLCO-808-2000-TO3, 808 nm , 2 W, mm, TO3	93,00	105,98
LD808-2-TO3, 808 ±5 nm , 2 W, mm, TO3	98,90	112,70
LDM-0808-3W-33, 808 ±5 nm , 3 W, mm, TO3	397,00	452,41
RLCO-808-3000-TO3, 808 nm , 3 W, mm, TO3	245,29	279,53
RLCO-808-4000-TO3, 808 nm , 4 W, mm, TO3	299,26	341,02
RLCO-808-5000-TO3, 808 nm , 5 W, mm, TO3	348,32	396,93
LD808-5-TO3, 808 ±5 nm , 5 W, mm, TO3	580,00	660,94
RLCO-808-7000-CT, 808 nm , 7 W, mm, CT-mount	453,79	517,12
RLCO-808-8000-CT, 808 nm , 8 W, mm, CT-mount	515,11	587,00
	EUR	USD
 infrared laser diodes TO-can, TO3, and C-mount package 830 - 940 nm	1-9 pcs.	1-9 pcs.
S810500MG, 810 nm , 500 mW, mm, 50°C, I _{OP} typ. 560mA, 5.6 mm	19,90	22,68
RLT820-100GS, 820 nm , 100 mW, sm, 60 °C, 9 mm	598,00	681,46
RLT825-200MGS, 825 nm , 200 mW, sm, 60 °C, 5.6 mm	499,00	568,64
S8305MG, 830 nm , 5 mW, I _{OP} <25 mA, mm, 40°C, 5.6 mm	15,40	17,55
ELD83NPT5, 830 ±10 nm , 5 mW, sm, 5.6 mm	32,86	37,45
RLT8320MG, 830 nm , 20 mW, sm, 5.6 mm	71,02	80,93
S8330MG, 830 nm , 30 mW, I _{OP} <75 mA, mm, 5.6 mm	16,40	18,69
RLT8340MG, 830 nm , 40 mW, sm, 40°C, 5.6 mm	76,32	86,97
S8350MG, 830 nm , 50 mW, sm, 50°C, I _{OP} typ. 62 mA, 5.6 mm	28,40	32,36
S83100MG, 830 nm , 100 mW, mm, 50°C, I _{OP} typ. 115 mA, 5.6 mm	36,20	41,25
RLT830-100MGS, 830 nm , 100 mW, single mode, 50 °C, 5.6 mm, NEW!!	59,50	67,80
RLT830-100GS, 830 nm , 100 mW, sm, 9 mm	191,74	218,50
RLT830-150MGS, 830 nm , 150 mW, single mode, 50 °C, 5.6 mm, NEW!!	71,40	81,36
RLT830-150GS, 830 nm , 150 mW, sm, 9 mm	457,20	521,01
RLT830-200MGS, 830 nm , 200 mW, single mode, 50 °C, 5.6 mm, NEW!!	95,25	108,54
S83300MG, 830 nm , 300 mW, mm, 50°C, I _{OP} typ. 410 mA, 5.6 mm	42,00	47,86
S83500MG, 830 nm , 500 mW, mm, 50°C, I _{OP} typ. 660 mA, 5.6 mm	48,00	54,70
RLT83500G, 830 nm , 500 mW, mm, 9 mm	92,00	104,84
RLT83500GOP, 830 nm , 500 mW, mm, 9 mm, without photodiode	96,70	110,20
RLT831000G, 830 nm , 1 W, mm, 9 mm	175,00	199,42
RLCO-830-1000G, 830 nm , 1 W, mm, 9 mm	123,00	140,17
RLCO-830-1000-TO3, 830 nm , 1 W, mm, TO3	93,00	105,98
POL-4200, 830 nm +10/-0 nm, 1 W, mm, 9mm	137,80	157,03
RLT830-1.5G, 830 nm , 1.5 W, mm, 9 mm	193,57	220,58
S8410MG, 840 nm , 10 mW, sm, 60°C, 5.6 mm, without photodiode	28,80	32,82
S8450MG, 840 nm , 50 mW, sm, 40°C, 5.6 mm, without photodiode	56,00	63,82
RLT840-200MGS, 840 nm , 200 mW, sm, 60 °C, 5.6 mm	499,00	568,64
ELD85NPT5, 850 ±10 nm , 5 mW, sm, 5.6 mm	26,25	29,91
RLT8505MG, 850 nm , 5 mW, sm, 40 °C, 5.6 mm	4,20	4,79
QL85D6SA, 850 nm , 5 mW, sm, 60 °C, 5.6 mm	4,98	5,68
QL85F6SA, 850 nm , 10 mW, sm, 60 °C, 5.6 mm	5,95	6,78
QL85I6SA, 850 nm , 30 mW, sm, 60 °C, 5.6 mm	41,00	46,72
QL85J6SA-L, 850 nm , 40 mW, sm, 60 °C, 5.6 mm	69,00	78,63
ADL-85501TL, 850 nm , 50 mW, sm, 50 °C, 5.6 mm	49,20	56,07
RLT850-50MGS, 850 nm , 50 mW, single mode, 40°C, 5.6 mm	46,10	52,53
S8550MG, 850 nm , 50 mW, sm, 40°C, 5.6 mm	26,80	30,54
S85100MG, 850 nm , 100 mW, mm, 50°C, I _{OP} typ. 125 mA, 5.6 mm	34,90	39,77

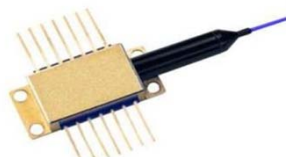
S85300MG, 850 nm , 300 mW, mm, 50°C, I _{OP} typ. 435 mA, 5.6 mm	42,80	48,77
S85500MG, 850 nm , 500 mW, mm, 50°C, I _{OP} typ. 680 mA, 5.6 mm	49,90	56,86
RLT85100MG, 850 nm , 100 mW, mm, 5.6 mm	75,00	85,47
RLT850-100MGS, 850 nm , 100 mW, single mode, 40°C, 5.6 mm	59,50	67,80
RLT850-150GS, 850 nm , 150 mW, single mode, 9 mm	514,00	585,73
RLT855-10MG, 855 nm , 10 mW, I _{OP} <55 mA, sm, 5.6 mm	19,40	22,11
RLT860-1000G, 860 nm , 1 W, multi mode, 9 mm, without photodiode	186,60	212,64
RLT878-5MG, 878 nm , 5 mW, I _{OP} <35 mA, sm, 5.6 mm	22,40	25,53
S8810MG, 880 nm , 10 mW, 60°, sm, 5.6 mm	18,80	21,42
RLT9005MG, 900 nm , 5 mW, sm, 5.6 mm	40,02	45,60
RLT904-05MG, 904 nm , 5 mW, sm, 5.6 mm	16,64	18,96
QL90F7SA, 904 nm , 10 mW, 70° C, sm, 5.6 mm	28,00	31,91
RLT905-20G, 905 nm , 20 mW, sm, 9 mm	407,00	463,80
RLT905-30G, 905 nm , 30 mW, sm, 9 mm	508,00	578,90
QLD905-40MG, 905 nm , 40mW, sm, 70 °C, 5.6mm	63,00	71,79
RLT905-40G, 905 nm , 40 mW, sm, 9 mm	675,00	769,20
RLT905-50G, 905 nm , 50 mW, sm, 9 mm	731,00	833,02
RLT905-100GS, 905 nm , 100 mW, beam div. 25x40, sm, 9 mm	o.r.	o.r.
RLT915-50GS, 915 nm , 50 mW, sm, 9 mm	109,57	124,86
RLT915-150GS, 915 nm , 150 mW, sm, 9 mm	310,43	353,75
RLT915-300GS, 915 nm , 300 mW, sm, 9 mm	640,00	729,32
RLT91500G, 915 nm , 500 mW, mm, 9 mm	126,00	143,58
RLT915-1000G, 915 nm , 1000 mW, mm, 9 mm	155,00	176,63
RLT940-100GS, 940 nm , 100 mW, sm, 9 mm	546,00	622,20
RLT940-200GS, 940 nm , 200 mW, sm, 9 mm	572,00	651,83
RLT940-300GS, 940 nm , 300 mW, sm, 9 mm	926,90	1.056,26
RLCO-940-1000-TO3, 940 nm , 1 W, mm, TO3	81,00	92,30
RLCO-940-2000-TO3, 940 nm , 2 W, mm, TO3	100,00	113,96
RLCO-940-3000-TO3, 940 nm , 3 W, mm, TO3	270,00	307,68
RLCO-940-4000-TO3, 940 nm , 4 W, mm, TO3	330,00	376,05
RLCO-940-5000-TO3, 940 nm , 5 W, mm, TO3	383,00	436,45
	EUR	USD
 infrared laser diodes TO-can, TO3, and C-mount package 960 - 1390 nm	1-9 pcs.	1-9 pcs.
RLT960M-1WG, 960 nm , 1.0 W, mm, 9 mm	o.r.	o.r.
RLT9810MG, 980 nm , 10 mW, sm, 5.6 mm	84,80	96,63
S9810MG, 980 nm , 10 mW, sm, 5.6 mm	12,70	14,47
RLT9820G, 980 nm , 20 mW, mm, 9 mm	100,70	114,75
RLT9830MG, 980 nm , 30 mW, sm, 5.6 mm	30,62	34,89
RLT9830G, 980 nm , 30 mW, sm, 9 mm	156,00	177,77
S9850MG, 980 nm , 50 mW, sm, 5.6 mm	6,80	7,75
S9850MBA, 980 nm , 50 mW, sm, 5.6 mm, without photodiode, without window	3,30	3,76
LDM-0980-050m-50, 980 nm , 50 mW, mm, 5.6 mm	14,90	16,98
ELD98NPT50, 980 ±10 nm , 50 mW, sm, 9 mm	26,30	29,97
L98T50M, 980 nm , 50 mW, mm, 9 mm	22,00	25,07
S98100MG, 980 nm , 100 mW, mm, 5.6 mm	18,70	21,31
RLT980-150GS, 980 nm , 150 mW, sm, 9 mm	129,65	147,74
RLT980-200GS, 980 nm , 200 mW, sm, 9 mm	166,17	189,36
RLT980-250GS, 980 nm , 250 mW, sm, 9 mm	579,00	659,81
RLT980-300GS, 980 nm , 300 mW, sm, 9 mm	579,00	659,81
LDM-0980-300m-92, 980 ±10 nm , 300 mW, mm, 9 mm	45,80	52,19
LDM-0980-300m-12, 980 ±10 nm , 300 mW, mm, C-mount	39,20	44,67
L98T300m, 980 ±5 nm , 300 mW, mm, TO3	76,00	86,61
RLT98500G, 980 nm , 500 mW, mm, 9 mm	108,00	123,07
RLT98500GOP, 980 nm , 500 mW, mm, 9 mm, without photodiode	68,60	78,17
LDM-0980-500m-12, 980 ±10 nm , 500 mW, mm, C-mount	47,00	53,56

LDM-0980-500m-32, 980 ±10 nm , 500 mW, mm, TO3	87,00	99,14
RLT981000G, 980 ±10 nm , 1 W, mm, 9 mm	126,20	143,81
LDM-0980-001w-13, 980 ±10 nm , 1W, mm, C-mount	93,00	105,98
LDM-0980-001w-33, 980 ±10 nm , 1W, mm, TO3	99,00	112,82
LDM-0980-002w-15, 980 ±10 nm , 2W, mm, C-mount	155,00	176,63
LDM-0980-002w-35, 980 ±10 nm , 2W, mm, TO3	158,00	180,05
RLCO-980-3000-TO3, 980 nm , 3 W, mm, TO3	187,79	214,00
RLCO-980-4000-TO3, 980 nm , 4 W, mm, TO3	228,77	260,70
RLCO-980-5000-TO3, 980 nm , 5 W, mm, TO3	266,33	303,50
RLT995-5MG, 995 nm , 5 mW, I _{op} <35 mA, sm, 5.6 mm	22,40	25,53
RLT1030-100GS, 1030 nm , 100 mW, sm, 50 °C, 9 mm	762,00	868,34
RLT1060-10G, 1060 nm , 10 mW, sm, 9 mm	330,00	376,05
RLT1060-20G, 1060 nm , 20 mW, sm, 9 mm	398,00	453,54
RLT1060-30G, 1060 nm , 30 mW, sm, 9 mm	410,00	467,22
RLT1060-50G, 1060 nm , 50 mW, sm, 9 mm	568,00	647,27
RLT1060-50GS, 1060 nm , 50 mW, sm, 50 °C, 9 mm	487,00	554,97
RLT1064-50MGS, 1064 nm , 50 mW, single mode, 40°C, 5.6 mm	98,00	111,68
RLT1064-100GS, 1064 nm , 100 mW, single mode, 60°C, 9 mm	146,00	166,38
RLT1060-100G, 1064 nm , 100 mW, sm, 9 mm	362,65	413,26
RLT1060-150G, 1064 nm , 150 mW, sm, 9 mm	n.a	n.a
RLT1060-200G, 1064 nm , 200 mW, sm, 9 mm	382,00	435,31
RLT1060-350G, 1064 nm , 350 mW, sm, 9 mm	593,48	676,31
RLT1060-500GS, 1064 nm , 500 mW, sm, 50 °C, 9 mm, without photodiode	1.780,00	2.028,42
RLT1060M-1WG, 1064 nm , 1.0 W, mm, 9 mm	148,00	168,65
RLT1060-1000HHL, 1064 nm ±30 nm , 1.0 W, mm, HHL package	1.400,00	1.595,38
RLCO-1064-2000-TO3, 1064 nm , 2 W, mm, TO3	193,00	219,94
RLT1060-3000HHL, 1060 nm ±20 nm , <3.0 W, mm, HHL package	1.960,00	2.233,54
RLT1080-80GS, 1080 nm , 80 mW, sm, 50 °C, 9 mm	798,00	909,37
RLT1170-10GS, 1170 nm , 10 mW, sm, 50 °C, 9 mm	1.021,00	1.163,49
RLT1260-500HHL, 1260 nm ±20 nm , 500 mW, mm, HHL package	1.680,00	1.914,46
RLT1260-750HHL, 1260 nm ±20 nm , 750 mW, mm, HHL package	2.240,00	2.552,61
RLT1270-10MGS-B, 1270 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1270-20MGS-B, 1270 nm , DFB, 20 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	283,50	323,07
RLT1290-10MGS-B, 1290 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1300-5G, 1300 nm , 5 mW, sm, 9 mm	223,00	254,12
RLT1300-10G, 1300 nm , 10 mW, sm, 9 mm	335,00	381,75
RLT1300-20G, 1300 nm , 20 mW, sm, 9 mm	357,00	406,82
RLT1300-30G, 1300 nm , 30 mW, sm, 9 mm	383,00	436,45
RLT1300-40G, 1300 nm , 40 mW, sm, 9 mm	451,00	513,94
RLT1300-50G, 1300 nm , 50 mW, sm, 9 mm	543,00	618,78
RLT1310-20MGS, 1310 nm , DFB, 20 mW, single mode, 50 °C, 5.6 mm	190,50	217,09
RLT1310-20MGS-B, 1310 nm , DFB, 20 mW, single mode, 50 °C, 5.6 mm, lens	190,50	217,09
RLT1310-30MGS, 1310 nm , DFB, 30 mW, single mode, 45 °C, 5.6 mm	257,10	292,98
RLT1310-30MGS-B, 1310 nm , DFB, 30 mW, single mode, 45 °C, 5.6 mm, lens	247,60	282,16
ML720A1S-E22E, 1310 nm , 4 mW, sm, 5.6 mm	21,91	24,97
RLT1300-BL, 1310 nm , 5 mW, 5.6 mm, ball lens	5,00	5,70
RLT1300-FW, 1310 nm , 5 mW, 5.6 mm, flat window	5,00	5,70
LDS-1310-005-BL, 1310 ±10 nm , 5 mW, sm, 5.6 mm, ball lens, 4-pin	9,60	10,94
S1300-5MG-BL, 1310 nm , 5 mW, TO56, 85°C, ball lens (1.25 Gbps), 4-pin	13,40	15,27
S1300-5MG-FW, 1310 nm , 5 mW, TO56, 85°C, flat window (1.25 Gbps), 4-pin	13,40	15,27
S1300N-5MG-FW, 1310 nm , 5 mW, TO56, 85°C, flat window (1.25 Gbps)	13,40	15,27
RLT1330-10MGS-B, 1330 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1350-10MGS-B, 1350 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1370-10MGS-B, 1370 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1390-10MGS-B, 1390 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1390-10GS, 1390 nm , 10 mW, sm, 50 °C, 9 mm	549,00	625,62
	EUR	USD


 <p>infrared laser diode TO-can, TO3, C-mount, HHL package</p> <p>1410 - 1750 nm</p>	1-9 pcs.	1-9 pcs.
RLT1410-10MGS-B, 1410 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1430-10MGS-B, 1430 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1450-10MGS-B, 1450 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1450-2WC, 1450 ±30 nm , 2 W, mm, C-Mount	520,00	592,57
RLT1460-5MG, 1460 nm , 5 mW, sm, 5.6 mm	110,00	125,35
RLT1470-5MGS, 1470 nm , DFB, 5 mW, sm, 70 °C, 5.6 mm	283,00	322,50
RLT1470-10MGS-B, 1470 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1480-5G, 1480 nm , 5 mW, sm, 9 mm	299,00	340,73
RLT1480-10G, 1480 nm , 10 mW, sm, 9 mm	369,00	420,50
RLT1480-20G, 1480 nm , 20 mW, sm, 9 mm	452,00	515,08
RLT1490-5MGS, 1490 nm , DFB, 5 mW, sm, 70 °C, 5.6 mm	283,00	322,50
RLT1490-10MGS-B, 1490 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1490-10MGS, 1490 nm , DFB, 10 mW, sm, 50 °C, 5.6 mm, without photodiode	498,00	567,50
LD1490-C010, 1490 nm , DFB, 10 mW, sm, with photodiode, 5.6 mm	270,00	307,68
RLT1500-10G, 1500 nm , 10 mW, sm, 9 mm	o.r.	o.r.
RLT1500-20G, 1500 nm , 20 mW, sm, 9 mm	o.r.	o.r.
RLT1500-30G, 1500 nm , 30 mW, sm, 9 mm	o.r.	o.r.
RLT1510-5MGS, 1510 nm , DFB, 5 mW, sm, 70 °C, 5.6 mm	283,00	322,50
RLT1510-10MGS-B, 1510 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1530-5MGS, 1530 nm , DFB, 5 mW, sm, 70 °C, 5.6 mm	283,00	322,50
RLT1530-10MGS-B, 1530 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
S1550-5MG-BL, 1550 nm , 5 mW, TO56, 85°C, ball lens (1.25 Gbps)	15,50	17,66
S1550-5MG-FW, 1550 nm , 5 mW, TO56, 85°C, flat window (1.25 Gbps)	15,50	17,66
RLT1550-5G, 1550 nm , 5 mW, sm, 9 mm	299,00	340,73
RLT1550-10MGS-B, 1550 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1550-10G, 1550 nm , 10 mW, sm, 9 mm	325,00	370,36
RLT1550-15G, 1550 nm , 15 mW, sm, 9 mm	330,00	376,05
RLT1550-20G, 1550 nm , 20 mW, sm, 9 mm	339,00	386,31
RLT1550-20MGS, 1550 nm , DFB, 20 mW, single mode, 50 °C, 5.6 mm	228,60	260,50
RLT1550-20MGS-B, 1550 nm , DFB, 20 mW, single mode, 50 °C, 5.6 mm, lens	228,50	260,39
RLT1550-30G, 1550 nm , 30 mW, sm, 9 mm	387,00	441,01
RLT1550-40G, 1550 nm , 40 mW, sm, 9 mm	o.r.	o.r.
RLT1550-40GS, 1550 nm , 40 mW, sm, 50 °C, 9 mm	562,00	640,43
RLT1550-100G, 1550 nm , 100 mW, lop typ. 800 mA, aperture: 100x1 um ² , mm, 9 mm	743,00	846,69
RLT1550-200GS, 1550 nm , 200 mW, sm, 50 °C, 9 mm	1.092,00	1.244,40
RLT1550-250HHL, 1550 nm ±30 nm , 250 mW, mm, HHL package	1.613,00	1.838,11
RLT1550-500HHL, 1550 nm ±30 nm , 500 mW, mm, HHL package	1.963,00	2.236,96
RLT1570-5MGS, 1570 nm , DFB, 5 mW, sm, 70 °C, 5.6 mm	283,00	322,50
RLT1570-10MGS-B, 1570 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1590-10MGS-B, 1590 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1600-10G, 1600 nm , 10 mW, sm, 9 mm	443,00	504,83
RLT1600-20G, 1600 nm , 20 mW, sm, 9 mm	563,00	641,57
RLT1600-30G, 1600 nm , 30 mW, sm, 9 mm	723,00	823,90
RLT1600-40G, 1600 nm , 40 mW, sm, 9 mm	o.r.	o.r.
RLT1600-300HHL, 1600 nm ±20 nm , 300 mW, mm, HHL package	o.r.	o.r.
RLT1610-10MGS-B, 1610 nm , DFB, 10 mW, single mode, 50 °C, 5.6 mm, lens (MOQ 3pcs)	220,00	250,70
RLT1620-10GS, 1620 nm , 10 mW, sm, 50 °C, 9 mm	665,00	757,81
RLT1650-50GS, 1650 nm , 50 mW, sm, 50 °C, 9 mm	798,00	909,37
RLT1650-120GS, 1650 nm , 120 mW, sm, 50 °C, 9 mm	1.216,00	1.385,70
RLT1725-300HHL, 1725 nm ±15 nm , 300 mW, mm, HHL package	o.r.	o.r.
RLT1750-30G, 1750 nm ±20 nm , 30 mW, sm, 9 mm	834,00	950,39
RLT1750-40G, 1750 nm ±20 nm , 40 mW, sm, 9 mm	1.072,00	1.221,61
RLT1750-300HHL, 1750 nm ±15 nm , 300 mW, mm, HHL package	o.r.	o.r.
RLT1770-10G, 1770 nm ±30 nm , 10 mW, sm, 9 mm	605,00	689,43

RLT1770-20G, 1770 nm ±20 nm, 20 mW, sm, 9 mm	643,00	732,74
RLT1770-30G, 1770 nm ±30 nm, 30 mW, sm, 9 mm	822,00	936,72
RLT1770-40G, 1770 nm ±20 nm, 40 mW, sm, 9 mm	1.072,00	1.221,61

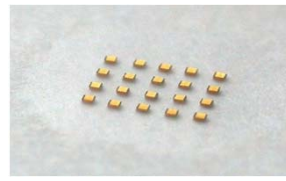
LASER DIODES - MID IR

PIGTAILED	EUR	USD
 <p>pigtailed laser diode in 14-Pin butterfly package - Ridge waveguide technology - carbon dioxide monitoring - tunable LD absorption spectroscopy 2020 nm</p>	1-3 pcs.	1-3 pcs.
RLEP202-F, 2020 nm , 10 mW cw, Fabry Perot, 14-pin DIL with TEC & thermistor	2.187,00	2.492,22
RLEP202-D, 2020 nm , 3.5 mW cw, discrete mode, single mode, linewidth < 2 MHz	3.610,00	4.113,81


LASER DIODES - PULSED

PULSED INFRARED LASER DIODES	EUR	USD
 <p>high power pulsed laser diodes 850, 904, 1550, 1610 and 1625 nm</p>	1-9 pcs.	1-9 pcs.
PLD904-5-T, 904 nm , 5 W-pulse, 75 x 1 um ² , TO-46	49,40	56,29
LDMP-0905-20W-51, 905 nm , 20W, single emitter, 50...200ns, 0.05%, 370x1um ² , 5.6 mm	77,00	87,75
LDMP-0905-50W-93, 905 nm , 50 W, 2 stacks, 50...200 ns, 0.05%, 370x100 um ² , 9 mm	159,00	181,19
VL905P25M, 905 nm , 25 W, 100 ns, 0.05%, 60°C, 5.6 mm	27,80	31,68
VL905P50, 905 nm , 50 W, 100 ns, 0.2%, 60°C, 5 mm epoxy	17,20	19,60
VL905P75, 905 nm , 75 W, 100 ns, 0.2%, 60°C, 5 mm epoxy	23,70	27,01
RLT-HPL905-50, 904 nm , 50 W-pulse, 50 ns, 370 x 100 um ² , 9 mm	236,00	268,94
RLT1610-100MPG, 1610 nm , 1x200 um, 100 mW-pulse, <1us, <50 kHz, 5% Duty, 9 mm	198,00	225,63
LD1625-C120, 1625 nm , FP, 120 mW, sm, pulsed mode, 10 us PW, 1% DC, 5.6 mm	449,50	512,23

LASER DIODES - BARE CHIP DIES


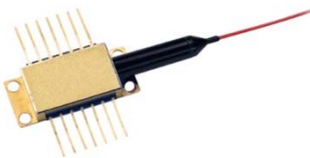
LASER DIODE CHIPS	EUR	USD
 <p>EPI wafer laser diode chip dies 635, 650, 980 ,1310 nm</p>	20-99 pcs.	20-99 pcs.
CHIP-635-P5, 635 nm , 5 mW, laser diode chip die, sm, MOQ 100 pcs	2,69	3,07
CHIP-650-P5, 650 nm , 5 mW, laser diode chip, single ridge waveguide sm, MOQ 100 pcs	2,23	2,54
CHIP-980-P50, 980 nm , 50 mW, laser diode chip die, sm, MOQ 100pcs	2,92	3,33
CHIP-1310-P5, 1310 nm , FP, 5 mW, sm, 2.5 GHz, MOQ 1000pcs	4,10	4,67

LASER DIODES - PIGTAILED

PIGTAILED COAXIAL PACKAGE	EUR	USD
 <p>pigtailed laser diodes in coaxial package - single and multi mode - different connectors available 405 - 1625 nm</p>	1-9 pcs.	1-9 pcs.
SPL405-5-50M-PD, 405 nm , 5 mW, 50 µm MM fiber, FC connector	255,00	290,59
SPL405-15-3, 405 nm , 15 mW, single mode, 3 µm fiber, no photodiode	740,00	843,27
SPL405-15-3P, 405 nm , 15 mW, single mode, 3 µm PM fiber, no photodiode	1.278,26	1.456,65


SPL405-30-3, 405 nm , 30 mW, single mode, 3 µm fiber, no photodiode	1.048,00	1.194,26
SPL405-30-3-PD, 405 nm , 30 mW, single mode, 3 µm fiber	1.890,00	2.153,77
SPL405-50-3, 405 nm , 50 mW, single mode, 3 µm fiber, no photodiode	1.258,00	1.433,57
SPL405-50-3P, 405 nm , 50 mW, single mode, 3 µm PM fiber, no photodiode	o.r.	o.r.
SPL405-80-3, 405 nm , 80 mW, single mode, 3 µm fiber, no photodiode	1.998,00	2.276,84
SPL405-100-3, 405 nm , 100 mW, single mode, 3 µm fiber, no photodiode	2.395,00	2.729,25
SPL405-100-3P, 405 nm , 100 mW, single mode, 3 µm PM fiber, no photodiode	o.r.	o.r.
SPL405-10-50M-PD, 405 nm , 10 mW, 50 µm MM fiber	260,00	296,29
SPL405-50-50M, 405 nm , 50 mW, 50 µm MM fiber, no photodiode	425,00	484,31
SPL405-100-50M, 405 nm , 100 mW, 50 µm MM fiber, no photodiode	740,00	843,27
SPL405-200-105M, 405 nm , 200 mW, 105 µm MM fiber, no photodiode	525,00	598,27
SPL405-300-105M, 405 nm , 300 mW, 105 µm MM fiber, no photodiode	740,00	843,27
SPL405-350-50M, 405 nm , 350 mW, 105 µm MM fiber, no photodiode	910,00	1.037,00
SPL445-15-4, 445 ±5 nm , 15 mW, single mode, 4 µm fiber, no photodiode	680,00	774,90
SPL445-20-4, 445 ±5 nm , 20 mW, single mode, 4 µm fiber, no photodiode	845,00	962,93
SPL445-30-4, 445 ±5 nm , 30 mW, single mode, 4 µm fiber, no photodiode	o.r.	o.r.
SPL445-30-4P, 445 ±5 nm , 30 mW, single mode, 4 µm PM fiber, no photodiode	o.r.	o.r.
SPL445-40-4, 445 ±5 nm , 40 mW, single mode, 4 µm fiber, no photodiode	1.700,00	1.937,25
SPL445-40-4P, 445 ±5 nm , 40 mW, single mode, 4 µm PM fiber, no photodiode	2.350,00	2.677,97
SPL445-50-4, 445 ±5 nm , 50 mW, single mode, 4 µm fiber, no photodiode	o.r.	o.r.
SPL445-50-4P, 445 ±5 nm , 50 mW, single mode, 4 µm PM fiber, no photodiode	o.r.	o.r.
SPL445-50-50M-B8, 445 ±5 nm , 50 mW, 50 µm MM fiber, no photodiode	440,00	501,41
SPL445-3W-100M, 450 ±10 nm , 3 W, 105 µm MM fiber, no photodiode	729,00	830,74
SPL445-3.5W-200M, 450 ±10 nm , 3 W, 200 µm MM fiber, no photodiode	619,00	705,39
SPL488-10-4, 488 nm , 10 mW, single mode, 3 µm fiber, FC/PC connector, no photodiode	729,00	830,74
SPL488-15-4, 488 nm , 15 mW, single mode, 3 µm fiber, FC/PC connector, no photodiode	834,00	950,39
SPL488-20-4, 488 nm , 20 mW, single mode, 3 µm fiber, FC/PC connector, no photodiode	1.046,00	1.191,98
SPL488-30-105M, 488 nm , 30 mW, 105 µm MM fiber, FC/PC connector, no photodiode	518,00	590,29
SPL488-40-105M, 488 nm , 40 mW, 105 µm MM fiber, FC/PC connector, no photodiode	729,00	830,74
SPL520-5-4, 520 nm , 5 mW, single mode, 3 µm fiber, FC connector, no photodiode	360,00	410,24
SPL520-5-4-PD, 520 nm , 5 mW, single mode, 3 µm fiber, FC connector	405,00	461,52
SPL520-10-4, 520 nm , 10 mW, single mode, 3 µm fiber, FC connector, no photodiode	505,00	575,48
SPL520-10-4-PD, 520 nm , 10 mW, single mode, 3 µm fiber, FC connector	560,00	638,15
SPL520-10-9-PD, 520 nm , 10 mW, 9 µm fiber, FC connector	399,00	454,68
SPL520-20-4, 520 nm , 20 mW, single mode, 3 µm fiber, FC connector, no photodiode	705,00	803,39
SPL520-20-4-PD, 520 nm , 20 mW, single mode, 3 µm fiber, FC connector	760,00	866,07
SPL520-30-62M, 520 nm , 30 mW, 62.5 µm MM fiber, FC connector, no photodiode	428,00	487,73
SPL520-30-62M-PD, 520 nm , 30 mW, 62.5 µm MM fiber, FC connector	499,00	568,64
SPL520-50-105M, 520 nm , 50 mW, 105 µm MM fiber, FC connector, no photodiode	525,00	598,27
SPL520-50-105M-PD, 520 nm , 50 mW, 105 µm MM fiber, FC connector	699,00	796,55
SPL520-80-105M, 520 nm , 80 mW, 105 µm MM fiber, FC connector, no photodiode	733,00	835,30
SPL520-500-62M, 520 nm , 400 mW, 62.5 µm MM fiber, FC connector, no photodiode	1.199,00	1.366,33
SPL520-800-105M, 520 nm , 800 mW, 105 µm MM fiber, FC connector, no photodiode	1.399,00	1.594,24
SPL532-20-50M-PD, 532 nm , 20 mW, 50 µm MM fiber, PD, FC connector	o.r.	o.r.
SPL532-30-50M-PD, 532 nm , 30 mW, 50 µm MM fiber, PD, FC connector	o.r.	o.r.
SPL532-50-50M-PD, 532 nm , 50 mW, 50 µm MM fiber, PD, FC connector	o.r.	o.r.
RLCD-S63-02, 635 ±10 nm , 2 mW, single mode, 4 µm fiber, FC connector	220,00	250,70
SPL635-2-4-PD, 635 ±5 nm , 1-2 mW, single mode, 4 µm fiber	199,00	226,77
SPL635-3-4-PD, 635 ±5 nm , 3 mW, single mode, 4 µm fiber	300,00	341,87
SPL635-5-4-PD, 635 ±5 nm , 5 mW, single mode, 4 µm fiber	340,00	387,45
SPL635-5-105M-PD, 635 ±5 nm , 5 mW, 105 µm MM fiber	295,00	336,17
SPL635-10-4P-PD, 638 ±5 nm , 10 mW, single mode, 4 µm PM fiber, FC connector	945,00	1.076,88
RLCD-S63-10, 635 ±10 nm , 10 mW, single mode, 4 µm fiber, FC connector	440,00	501,41
RLCD-S63-20, 635 ±10 nm , 20 mW, single mode, 4 µm fiber, FC connector, no photodiode	920,00	1.048,40
SPL635-20-4, 637 ±5 nm , 20 mW, single mode, 4 µm fiber, FC connector, no photodiode	450,00	512,80
SPL635-100-M, 638 ±8 nm , 100 mW, 105 µm MM fiber, FC/PC, no photodiode	260,00	296,29
SPL635-300-M, 638 ±8 nm , 300 mW, 105 µm MM fiber, FC/PC, no photodiode	283,00	322,50
SPLH635-01W-M, 638 ±8 nm , 1 W, 105 µm MM fiber, FC/PC, no photodiode	699,00	796,55
SPL650-3-4-PD, 658 nm , 3 mW, single mode, 4 µm fiber	220,00	250,70
RLTG065AU, 650 ±10 nm , 2.5 mW, 100 µm MM fiber, FC-connector	219,64	250,29
SPL650-10-105M-PD, 650 ±5 nm , 10 mW, 105 µm MM fiber	135,00	153,84

SPL650-10-4-PD, 658 ±5 nm , 10 mW, single mode, 4 µm fiber	420,00	478,62
SPL650-20-4, 658 ±5 nm , 20 mW, single mode, 4 µm fiber, no photodiode	320,00	364,66
SPL650-20-4P, 658 ±5 nm , 20 mW, single mode, 4 µm PM fiber, no photodiode	o.r.	o.r.
SPL650-30-105M, 658 ±5 nm , 30 mW, 105 µm MM fiber, no photodiode	220,00	250,70
SPL650-50-9, 658 ±5 nm , 40 mW, single mode, 9 µm fiber, no photodiode	252,00	287,17
SPL650-40-4, 658 ±5 nm , 40 mW, single mode, 4 µm fiber, no photodiode	530,00	603,97
SPL650-50-4P, 658 ±5 nm , 50 mW, single mode, 4 µm PM fiber, no photodiode	1.260,00	1.435,85
SPL650-60-105M, 658 ±5 nm , 60 mW, 105 µm MM fiber, no photodiode	o.r.	o.r.
SPL650-100-9, 658 ±5 nm , 100 mW, single mode, 9 µm fiber, no photodiode	525,00	598,27
SPL650-100-4, 658 ±5 nm , 100 mW, single mode, 4 µm fiber, no photodiode	1.258,00	1.433,57
SPL650-100-4P, 658 ±5 nm , 100 mW, single mode, 4 µm PM fiber, no photodiode	1.680,00	1.914,46
RLCD-S66-02, 660 ±5 nm , 2 mW, single mode, 4 µm fiber, FC connector	203,00	231,33
RLCD-S66-10, 660 ±5 nm , 10 mW, single mode, 4 µm fiber, FC connector	385,00	438,73
RLCD-S66-40, 660 ±5 nm , 40 mW, single mode, 4 µm fiber, FC connector, no photodiode	694,00	790,85
SPL670-1-4-PD, 670 ±10 nm , 1 mW, single mode, 4 µm fiber	420,00	478,62
SPL670-1-4P-PD, 670 ±10 nm , 1 mW, single mode, 4 µm PM fiber	840,00	957,23
SPL685-4-4P-PD, 685 ±15 nm , 4 mW, single mode, 4 µm PM fiber	840,00	957,23
SPL685-10-4-PD, 685 ±15 nm , 10 mW, single mode, 4 µm fiber	525,00	598,27
SPL685-15-4-PD, 685 ±15 nm , 15 mW, single mode, 4 µm fiber	630,00	717,92
SPL685-25-4P-PD, 685 ±15 nm , 25 mW, single mode, 4 µm PM fiber	1.480,00	1.686,55
SPL785-20-4-PD, 785 ±10 nm , 20 mW, single mode, 4 µm fiber	420,00	478,62
SPL785-20-4P-PD, 785 ±10 nm , 20 mW, single mode, 4 µm PM fiber	1.055,00	1.202,24
SPL785-40-4-PD, 785 ±10 nm , 40 mW, single mode, 4 µm fiber	635,00	723,62
SPL785-50-4, 785 ±10 nm , 50 mW, single mode, 4 µm fiber, no photodiode	845,00	962,93
SPL785-50-4P-PD, 785 ±10 nm , 50 mW, single mode, 4 µm PM fiber, FC connector	1.280,00	1.458,64
SPL785-50-105M-PD, 785 ±10 nm , 50 mW, 105 µm MM fiber	220,00	250,70
SPL808-15-5, 808 ±5 nm , 15 mW, single mode, 5 µm fiber, FC connector, no photodiode	530,00	603,97
SPL808-20-5-PD, 808 ±5 nm , 20 mW, single mode, 5 µm fiber, FC connector	530,00	603,97
RLCD-M81-40, 808 ±5 nm , 40 mW, multi mode, 62.5 µm fiber, FC connector	240,00	273,49
SPL808-50-5-PD, 808 ±5 nm , 50 mW, single mode, 5 µm fiber, FC connector	1.099,00	1.252,38
RLCD-M81-60, 808 ±5 nm , 60 mW, multi mode, 62.5 µm fiber, FC connector	237,60	270,76
SPL808-120-105M-PD, 808 ±5 nm , 120 mW, 105 µm multi mode fiber, FC connector	190,00	216,52
SPL808-200-105M-PD, 808 ±5 nm , 200 mW, 105 µm multi mode fiber, FC connector	240,00	273,49
SPL830-5-4-PD, 830 ±10 nm , 5 mW, single mode, 4 µm fiber	340,00	387,45
SPL830-10-9-PD, 830 ±10 nm , 10 mW, single mode, 9 µm fiber	360,00	410,24
SPL830-30-4-PD, 830 ±10 nm , 30 mW, single mode, 4 µm fiber	499,00	568,64
SPL830-50-4-PD, 830 ±10 nm , 50 mW, single mode, 4 µm fiber	697,00	794,27
SPL830-50-4P-PD, 830 ±10 nm , 50 mW, single mode, 4 µm PM fiber	1.280,00	1.458,64
SPL830-80-4-PD, 830 ±10 nm , 80 mW, single mode, 4 µm fiber	898,00	1.023,32
SPL830-120-62M-PD, 830 ±10 nm , 120 mW, multi mode, 62.5 µm fiber	280,00	319,08
SPL850-10-4P-PD, 850 ±5 nm , 10 mW, single mode, 4 µm PM fiber	1.060,00	1.207,93
SPL850-10-5-PD, 850 ±5 nm , 10 mW, single mode, 5 µm fiber	440,00	501,41
SPL850-20-9-PD, 850 ±5 nm , 20 mW, 9 µm fiber	286,00	325,91
SPL850-30-5-PD, 850 ±5 nm , 30 mW, single mode, 5 µm fiber	659,00	750,97
SPL850-50-5-PD, 850 ±5 nm , 50 mW, single mode, 5 µm fiber	879,00	1.001,67
SPL850-50-105M-PD, 850 ±5 nm , 50 mW, 105 µm MM fiber	220,00	250,70
SPL880-1-4P-PD, 880 ±10 nm , 1 mW, single mode, 4 µm PM fiber	950,00	1.082,58
SPL880-2-4-PD, 880 ±10 nm , 2 mW, single mode, 4 µm fiber	425,00	484,31
SPL940-30-4-PD, 940 ±10 nm , 30 mW, single mode, 4 µm fiber	1.100,00	1.253,52
SPL940-30-PM-PD, 940 ±10 nm , 30 mW, single mode, 4 µm PM fiber	1.300,00	1.481,43
SPL980-10-9-PD, 980 ±10 nm , 10 mW, single mode, 9 µm fiber	190,00	216,52
SPL980-15-9-PD, 980 ±10 nm , 15 mW, single mode, 9 µm fiber	240,00	273,49
SPL980-20-9-PD, 980 ±10 nm , 20 mW, single mode, 9 µm fiber	265,00	301,98
SPL980-30-105M-PD, 980 ±15 nm , 30 mW, 105 µm MM fiber	220,00	250,70
SPL980-100-105M-PD, 980 ±15 nm , 100 mW, 105 µm MM fiber	280,00	319,08
SPL1064-5-4-PD, 1064 ±10 nm , 5 mW, single mode, 4 µm fiber	420,00	478,62
SPL1064-10-4-PD, 1064 ±10 nm , 10 mW, single mode, 4 µm fiber	525,00	598,27
SPL1064-30-4-PD, 1064 ±10 nm , 30 mW, single mode, 4 µm fiber	945,00	1.076,88
SPL1064-50-4-PD, 1064 ±10 nm , 50 mW, single mode, 4 µm fiber	1.050,00	1.196,54
SPL1270-2-9-PD, 1270 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
SPL1290-2-9-PD, 1290 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66


FU-17SLD-F3M1, 1310 ±20 nm , 0.5 mW, FC-receptacle	142,04	161,86
LFO-14-ip, 1310 ±20 nm , 1 mW, FP, sm, 9/125 fiber, FC connector	262,00	298,56
LFO-14-d, 1310 ±20 nm , >1 mW, FP, sm, 9/125 fiber, FC connector, internal driver, 3V	283,00	322,50
SPL1310-1-9-PD, 1310 ±20 nm , 1 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	220,00	250,70
SPL1310-2-9-PD, 1310 ±20 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
SPL1310-3-9-PD, 1310 ±20 nm , 3 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	340,00	387,45
SPL1310-4-9-PD, 1310 ±20 nm , 4 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	360,00	410,24
SPL1310-5-9-PD, 1310 ±20 nm , 5 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	420,00	478,62
SPL1310-10-9-PD, 1310 ±20 nm , 10 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	505,00	575,48
SPL1330-2-9-PD, 1330 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
SPL1350-2-9-PD, 1350 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
SPL1370-2-9-PD, 1370 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
SPL1390-2-9-PD, 1390 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
SPL1410-2-9-PD, 1410 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
SPL1430-2-9-PD, 1430 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
SPL1450-2-9-PD, 1450 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
SPL1470-2-9-PD, 1470 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
SPL1490-2-9-PD, 1490 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
SPL1510-2-9-PD, 1510 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
SPL1530-2-9-PD, 1530 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
LFO-18-ip, 1550 ±20 nm , 0.8 mW, FP, sm, 9/125 fiber, FC-connector	399,00	454,68
LFO-18-d, 1550 ±20 nm , >0.8 mW, FP, sm, 9/125 fiber, FC connector, internal driver, 3V	420,00	478,62
LFO-18-2-ip, 1550 ±20 nm , 2 mW, FP, sm, 9/125 fiber, FC connector	440,00	501,41
LFO-18/2-d, 1550 ±20 nm , >2 mW, FP, sm, 9/125 fiber, FC connector, internal driver, 3V	462,00	526,48
SPL1550-2-9-PD, 1550 ±30 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
SPL1550-3-9-PD, 1550 ±30 nm , 3 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	350,00	398,85
SPL1550-8-9-PD, 1550 ±30 nm , 8 mW, DFB, 2.0 GB/s, sm, 9 µm fiber	420,00	478,62
SPL1550-10-9-PD, 1550 ±30 nm , 10 mW, DFB, 2.0 GB/s, sm, 9 µm fiber	510,00	581,18
SPL1570-2-9-PD, 1570 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
SPL1590-2-9-PD, 1590 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
SPL1610-2-9-PD, 1610 ±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	364,66
Heat Sink for SPL laser diodes	EUR	USD
 Greatly improves the heat dissipation capability of the SPL coaxial laser diodes - made from CNC cut Aluminium - laser diode fixation by grub screw - only suitable for SPL series	1-9 pcs.	1-9 pcs.
SPL-Coax, Heat sink, Aluminium, 16 x 16 x 8 mm, acceptance diameter 6.2 mm, 3g	23,40	26,67
SPL-Coax-B8, Heat sink, Aluminium, 14 x 7 x 8 mm, acceptance diameter 6.2 mm, 3g	23,40	26,67
PIGTAILED HHL	EUR	USD
 pigtailed laser diodes in HHL package - TEC - single and multi mode - different connectors available 450- 1550 nm	1-9 pcs.	1-9 pcs.
SPLXT445-3.5W-200M, 445 ±10 nm , 3.5 W, multi mode, 200 µm fiber, 9-pin, TEC, FC-connector	937,00	1.067,77
RLCD-M63H-350, 635 ±10 nm , 350 mW, multi mode, 100 µm fiber, FC or SMA Connector	2.108,00	2.402,19
RLCD-M63H-1W, 635 ±10 nm , 1 W, multi mode, 400 µm fiber bundle, FC or SMA Connector	5.275,00	6.011,18
RLCD-M63H-2W, 635 ±10 nm , 2 W, multi mode, 400 µm fiber bundle, FC or SMA Connector	7.610,00	8.672,05
RLCD-M65H-200, 650 ±5 nm , 200 mW, multi mode, 100 µm fiber, FC or SMA Connector	620,00	706,53
RLCD-M66H-750, 660 ±5 nm , 750 mW, multi mode, 100 µm fiber, FC or SMA Connector	2.383,00	2.715,57
RLCD-S66H-40, 660 ±5 nm , 40 mW, single mode, 4 µm fiber, HHL, TEC, FC-Connector	978,00	1.114,49
RLCD-S66H-60, 660 ±5 nm , 60 mW, single mode, 4 µm fiber, HHL, TEC, FC-Connector	o.r.	o.r.
SPL660-60-4-14P, 660 ±5 nm , 60 mW, single mode, 4 µm fiber, 14-pin, TEC, FC-connector	1.020,00	1.162,35
RLCD-S66H-80, 660 ±5 nm , 80 mW, single mode, 4 µm fiber, HHL, TEC, FC-Connector	o.r.	o.r.
SPL660-80-4-14P, 660 ±5 nm , 80 mW, single mode, 4 µm fiber, 14-pin, TEC, FC-connector	1.210,00	1.378,87
G066PU214W, 660 ±5 nm , 1.4 W, 430 µm, TEC, SMA connector	3.153,19	3.593,24

G066PU335W, 660 ±5 nm , 3.5 W, 600 µm, TEC, SMA connector	5.382,71	6.133,92
G067PU160M, 670 ±10 nm , 160 mW, 100 µm, FC connector	810,00	923,04
G067PU200M, 670 ±10 nm , 200 mW, 100 µm, FC connector	1.200,00	1.367,47
RLCD-M66H-2W, 665 ±5 nm , 2 W, multi mode, 400 µm fiber bundle, SMA-Connector	6.530,00	7.441,33
RLCD-M66H-3W, 665 ±5 nm , 3 W, multi mode, 400 µm fiber bundle, SMA-Connector	7.180,00	8.182,04
RLCD-M66H-5W, 665 ±5 nm , 5 W, multi mode, 400 µm fiber bundle, SMA-Connector	o.r.	o.r.
RLT780M-1WFC, 785 ±5 nm , 1 W, multi mode, 100 µm fiber, TEC, FC/PC, 14-pin butterfly	831,00	946,97
RLT780M-1.5WFC, 785 ±5 nm , 1 W, multi mode, 100 µm fiber, TEC, FC/PC, 14-pin butterfly	872,00	993,70
RLT808M-1.5WFC, 808 ±5 nm , 1.5 W, multi mode, 100 µm fiber, FC/PC, TEC	770,00	877,46
RLT808M-3WFC, 808 ±5 nm , 3 W, multi mode, 100 µm fiber, FC/PC, TEC	1.015,00	1.156,65
RLT808M-8WFC, 808 ±5 nm , 8 W, multi mode, 100 µm fiber, SMA, TEC	1.312,50	1.495,67
RLT808M-10WFC, 808 ±5 nm , 10 W, multi mode, 400 µm fiber, SMA, TEC	1.400,00	1.595,38
RLCO-808-0500-F, 808 ±3 nm , 0.5 W, multi mode, 50 µm, NA 0.22, SMA connector	239,00	272,35
G081PU1600M, 808 ±5 nm , 0.6 W, 50 µm, NA 0.22, connector	425,00	484,31
G081PU1750M, 808 ±5 nm , 0.75 W, 100 µm, NA 0.22, connector	431,00	491,15
RLCO-808-1000-F, 808 ±3 nm , 1 W, multi mode, 100 µm, NA 0.22, SMA connector	265,00	301,98
G081PU11500M, 808 ±5 nm , 1.5 W, 100 µm, NA 0.22, connector	483,33	550,79
RLCO-808-2000-F, 808 ±3 nm , 2 W, multi mode, 100 µm, NA 0.22, SMA connector	499,00	568,64
RLCO-808-3000-F, 808 ±3 nm , 3 W, multi mode, 200 µm, NA 0.22, SMA connector	650,02	740,74
RLCO-808-4000-F, 808 ±3 nm , 4 W, multi mode, 200 µm, NA 0.22, SMA connector	865,88	986,72
RLCO-808-5000-F, 808 ±3 nm , 5 W, multi mode, 200 µm, NA 0.22, SMA connector	1.081,74	1.232,71
RLCD-A81H-8W, 808 nm , 8 W, multi mode, 650 nm aiming beam , 200 µm fiber	1.417,00	1.614,76
G081PU25W, 808 ±5 nm , 5 W, 400 µm, NA 0.22, connector	1.166,67	1.329,49
G081PU210W, 808 ±5 nm , 10 W, 400 µm, NA 0.22, connector	1.866,67	2.127,18
G081PU312W, 808 ±5 nm , 12 W, 700 µm, NA 0.22, connector	3.333,33	3.798,53
G081PU314W, 808 ±5 nm , 14 W, 700 µm, NA 0.22, connector	2.478,00	2.823,83
G081PU325W, 808 ±5 nm , 25 W, 700 µm, NA 0.22, connector	4.166,67	4.748,17
SPL830-1W-50m-2P, 830 nm , 1W, multi mode, 50 µm, NA 0.14, SMA connector	461,00	525,34
RLCO-830-1000-F, 830 ±5 nm , 1 W, multi mode, 50 µm, SMA connector, 2-pin package	o.r.	o.r.
RLCO-830-1500-F, 830 ±5 nm , 1.5 W, multi mode, 50 µm, NA 0.22, SMA connector	o.r.	o.r.
SPL830-2W-50m-2P, 830 nm , 5 W, multi mode, 50 µm, SMA connector, 2-pin package	588,00	670,06
SPL940-1.5W-105M-HHL, 940 ±10 nm , 1.5 W, 105 µm fiber, HHL	821,74	936,42
RLT915-200SPM, 915 ±5 nm , 200 mW, single mode, PM-fiber, TEC	1.350,00	1.538,41
RLT915M-1.5WFC, 915 ±5 nm , 1.5 W, multi mode, 100 µm fiber, FC/PC, TEC	798,00	909,37
RLT940-200SPM, 940 ±5 nm , 200 mW, single mode, PM-fiber, TEC	1.630,00	1.857,48
RLT975M-3WFC, 975 ±5 nm , 3 W, multi mode, 100 µm fiber, FC/PC, TEC	1.121,00	1.277,45
RLT975M-10WFC, 975 ±5 nm , 10 W, multi mode, 200 µm fiber, SMA, TEC	1.354,00	1.542,96
RLT979-300SPM, 979 ±5 nm , 300 mW, single mode, PM-fiber, TEC	1.640,00	1.868,88
RLCO-980-0500-F, 980 ±10 nm , 0.5 W, multi mode, 100 µm, NA 0.22, SMA connector	193,00	219,94
G098PU1600M, 980 ±5 nm , 0.6 W, 50 µm, NA 0.22, connector	381,00	434,17
G098PU1750M, 980 ±5 nm , 0.75 W, 100 µm, NA 0.22, connector	386,00	439,87
RLCO-980-1000-F, 980 ±10 nm , 1 W, multi mode, 100 µm, NA 0.22, SMA connector	232,00	264,38
G098PU11300M, 980 ±5 nm , 1.3 W, 100 µm, NA 0.22, connector	530,00	603,97
RLCO-980-2000-F, 980 ±10 nm , 2 W, multi mode, 100 µm, NA 0.22, SMA connector	365,00	415,94
RLCO-980-3000-F, 980 ±10 nm , 3 W, multi mode, 200 µm, NA 0.22, SMA connector	486,00	553,83
RLCO-980-4000-F, 980 ±10 nm , 4 W, multi mode, 200 µm, NA 0.22, SMA connector	665,00	757,81
RLCO-980-5000-F, 980 ±10 nm , 5 W, multi mode, 200 µm, NA 0.22, SMA connector	824,00	939,00
RLCD-A98H-3W, 980 nm , 3 W, multi mode, 650 nm aiming beam , 200 µm fiber	1.098,16	1.251,42
RLCD-A98H-5W, 980 nm , 5 W, multi mode, 650 nm aiming beam , 200 µm fiber	1.268,30	1.445,30
RLCD-A98H-7W, 980 nm , 7 W, multi mode, 650 nm aiming beam , 200 µm fiber	1.546,71	1.762,57
G098PU25W, 980 ±5 nm , 5 W, 400 µm, NA 0.22, connector	1.130,00	1.287,70
G098PU209W, 980 ±5 nm , 9 W, 400 µm, NA 0.22, connector	2.246,00	2.559,45
G098PU312W, 980 ±5 nm , 12 W, 700 µm, NA 0.22, connector	3.410,00	3.885,90
G098PU322W, 980 ±5 nm , 22 W, 700 µm, NA 0.22, connector	3.956,00	4.508,10
G131PU001S, 1310 ±30 nm , sm fiber, 1 mW, tr/ts= 0.5 ns, TEC	345,00	393,15
G145PU0400m, 1450 ±30 nm , 400 mW, 100 µm, NA 0.22, connector	not available	not available
G145PU23W, 1450 ±30 nm , 3 W, 400 µm, NA 0.22, connector	2.035,00	2.319,00
G145PU38W, 1450 ±30 nm , 8 W, 600 µm, NA 0.22, SMA-905	4.625,00	5.270,47


LASER DIODES - SINGLE BARS

	EUR	USD
 <p>high power single bar laser diodes - cw power: 20, 40 W - qcw power: 60, 100 W</p> <p>780 - 980 nm</p>	1-3 pcs.	1-3 pcs.
AB081C20W, 780..830 nm, 20W cw, 25 x 25 x 13 mm ³	465,00	529,90
AB081C40W, 780..830 nm, 40W cw, 25 x 25 x 13 mm ³	474,00	540,15
AB081Q60W, 780..830 nm, 60W qcw, 25 x 25 x 13 mm ³	200,00	227,91
AB081Q100W, 780..830 nm, 100W qcw, 25 x 25 x 13 mm ³	333,33	379,85
AB098C20W, 920..980 nm, 20W cw, 25 x 25 x 13 mm ³	398,75	454,40
AB098C40W, 920..980 nm, 40W cw, 25 x 25 x 13 mm ³	698,50	795,98




LASER DIODES - LINEAR ARRAYS

	EUR	USD
 <p>high power linear array laser diodes - cw power: 60 - 280 W</p> <p>780 - 830 nm</p>	1-3 pcs.	1-3 pcs.
AL081C60W, 780..830 nm, 60 W cw, 57 x 12 x 15.5 mm ³	1.215,00	1.384,57
AL081C100W, 780..830 nm, 100 W cw, 57 x 12 x 15.5 mm ³	2.025,00	2.307,61
AL081C120W, 780..830 nm, 120 W cw, 57 x 12 x 15.5 mm ³	2.430,00	2.769,13
AL081C140W, 780..830 nm, 140 W cw, 57 x 12 x 15.5 mm ³	2.835,00	3.230,65
AL081C200W, 780..830 nm, 200 W cw, 57 x 12 x 15.5 mm ³	4.050,00	4.615,22
AL081C280W, 780..830 nm, 280 W cw, 57 x 12 x 15.5 mm ³	5.670,00	6.461,31



LASER DIODES - STACKED ARRAYS

	EUR	USD
 <p>high power stacked array laser diodes - cw power: 60 - 480 W - qcw power: 300 - 1200 W</p> <p>780 - 980 nm</p>	1-3 pcs.	1-3 pcs.
CW:		
AS081C60W, 780..830 nm, 60 W cw, 40 x 23.6 x 11 mm ³	2.062,50	2.350,34
AS081C100W, 780..830 nm, 100 W cw, 40 x 23.6 x 11 mm ³	3.066,25	3.494,18
AS081C120W, 780..830 nm, 120 W cw, 40 x 23.6 x 11 mm ³	2.866,88	3.266,98
AS081C140W, 780..830 nm, 140 W cw, 40 x 23.6 x 11 mm ³	4.122,25	4.697,55
AS081C200W, 780..830 nm, 200 W cw, 40 x 23.6 x 11 mm ³	4.365,63	4.974,89
AS081C280W, 780..830 nm, 280 W cw, 40 x 23.6 x 11 mm ³	5.500,00	6.267,58
AS081C320W, 780..830 nm, 320 W cw, 40 x 23.6 x 11 mm ³	6.710,00	7.646,45
AS081C480W, 780..830 nm, 480 W cw, 40 x 23.6 x 11 mm ³	9.748,75	11.109,29
AS098C60W, 920..980 nm, 60 W cw, 30 x 14 x 10 mm ³	2.062,50	2.350,34
AS098C100W, 920..980 nm, 100 W cw, 30 x 14 x 10 mm ³	3.066,25	3.494,18
QCW:		
AS081Q300W, 780..830 nm, 300 W qcw, 30 x 14 x 10 mm ³	o.f.	o.f.
AS081Q600W, 780..830 nm, 600 W qcw, 30 x 14 x 10 mm ³	o.f.	o.f.
AS081Q1200W, 780..830 nm, 1200 W qcw, 30 x 14 x 10 mm ³	o.f.	o.f.
AS081Q3000W, 780..830 nm, 3000 W qcw, 30 x 14 x 10 mm ³	o.f.	o.f.
AS081Q5000W, 780..830 nm, 5000 W qcw, 30 x 14 x 10 mm ³	o.f.	o.f.
AS081Q15000W, 780..830 nm, 15000 W qcw, 30 x 14 x 10 mm ³	o.f.	o.f.
AS098Q300W, 920..980 nm, 300 W qcw, 30 x 14 x 10 mm ³	o.f.	o.f.
AS098Q600W, 920..980 nm, 600 W qcw, 30 x 14 x 10 mm ³	o.f.	o.f.
AS098Q1200W, 920..980 nm, 1200 W qcw, 30 x 14 x 10 mm ³	o.f.	o.f.

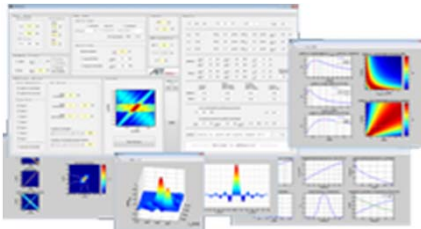
VCSELS

VCSEL RED 670 nm		EUR	USD
	VCSEL (Vertical Cavity Surface Emitting Laser diode) red 670 nm		
		1-9 pcs.	1-9 pcs.
VC670M-TO46FW-2, 670 nm, 1.0 mW, 5 mA, mm, 20°, TO-46, flat window		19,00	21,65
VC670M-3CEP, 670 nm, 1.0 mW, 4 mA, mm, 15°, 3 mm ceramic with epoxy lens ► PHASE OUT		14,90	16,98
VCSEL IR 780 nm, 850 nm, 980 nm		EUR	USD
	VCSEL (Vertical Cavity Surface Emitting Laser diode) infrared power up to 20 mW cw 850 and 980 nm		
		1-9 pcs.	1-9 pcs.
VC850S-SMD, 850 nm, 0.5 mW, 3.5 mA, sm, 8°, SMD 0603		9,05	10,31
VC850M-SMD, 850 nm, 0.5 mW, 4 mA, mm, 6°, SMD 0603		8,35	9,52
VC850M-TO46GL, 850 nm, 2 mW, 6 mA, mm, 5°, TO-46, glass lens		8,10	9,23
VC850M-H-TO46GL, 850 nm, 10 mW, 20 mA, mm, 2°, TO-46, glass lens		15,42	17,57
VC850M-H-TO46FW, 850 nm, 8 mW, 20 mA, mm, TO-46, flat window		15,42	17,57
VC850M-H2-TO46FW, 850 nm, 20 mW, 50 mA, mm, TO-46, flat window		28,00	31,91
VC980M-TO46FW, 980 nm, 1.5 mW, 6 mA, mm, 20°, TO-46, flat window		11,20	12,76
VCSEL IR MODULE 780 nm, 850 nm, 980 nm		EUR	USD
	infrared VCSEL in anodized aluminium header with adjustable 3-lens glass collimator		
		1-9 pcs.	1-9 pcs.
VC850M2-MODULE, 850 nm, max. 15 mW, 50 mA, mm, 10x18 mm		68,00	77,49
VC980M-MODULE, 980 nm, max. 0.75 mW, 6 mA, mm, 10x18 mm		51,80	59,03


QUANTUM OPTICS DEVICES

Time Tagging Module		EUR	USD
	8 channel Time to Digital Converter - 8 channels continuous - resolution 82ps - 2 channels start-stop - resolution 10ps - continuous / multi stop / single stop - GB-LAN (up to 25m events/s) - variable threshold voltage - software for Linux & Windows - developed & manufactured in Austria		
		1-3 pcs.	1-3 pcs.
TTM8000, up to 8 channels with resolution 82ps, GB-LAN, incl.software, 160x110x45 mm		7.600,00	8.660,66
Single Photon Detection Module		EUR	USD
	300 ps Single Photon Counting Module - less than 20 dark counts/s - 300 ns dead time - Low jitter, low dark rates - digital output pulse (0,4V) at SMA connector - Single 5 VDC supply voltage - developed & manufactured in Austria - compatible with many different mounts		
		1-3 pcs.	1-3 pcs.
QD800c-fQ-500, <500 dark counts/s, 300ps res., 300ns dead time, 400-1000nm, 5 VDC		4.600,00	5.241,98
QD800c-fQ-50, <50 dark counts/s, 300ps res., 300ns dead time, 400-1000nm, 5 VDC		5.700,00	6.495,49
QD800c-fQ-20, <20 dark counts/s, 300ps res., 300ns dead time, 400-1000nm, 5 VDC		7.500,00	8.546,70
ADAPT-C-SM1, lens holder adapter plate with SM1 thread		89,60	102,10
ADAPT-C-SM05, lens holder adapter plate with SM5 thread		89,60	102,10


ADAPT-C-SM05-P, lens holder adapter plate with SM5 thread	89,60	102,10
ADAPT-C-RMS, lens holder adapter plate with RMS thread	89,60	102,10
ADAPT-C-MOUNT, Lens holder adapter plate with C-Mount thread	89,60	102,10
ADAPT-C-FC, adapter plate with FC/PC fiber adapter	537,60	612,63
ADAPT-C-FC-FLT, adapter plate with FC/PC fiber adapter and filter holder	627,20	714,73
HS12, heat sink 12 mm	89,60	102,10
HS25, heat sink 25 mm	95,20	108,49
HS25-FAN, heat sink 25 mm with fan	168,00	191,45
Power supply, 90-264VAC	67,20	76,58

Software	EUR	USD
 <ul style="list-style-type: none"> - Simulates photon-pair generation in seven different crystals (including ppKTP and ppLN) - Gaussian and sech² pulses as well as customised laser spectrum - Gaussian and rectangular bandpass filtering - Phase-matching conditions, poling periodicity, temperature tuning - Refractive indices, group delay and temporal walk-off 	1-3 pcs.	1-3 pcs.
QPMoptics, tool to simulate and optimize your experiments, USB License dongle, Win 64-bit	980,00	1.116,77

OPTICAL COMPONENTS FOR LASER DIODES



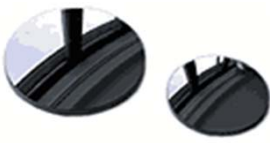
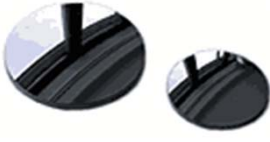
LASER DIODE COLLIMATORS - MOLDED PLASTIC	EUR	USD
 <p style="text-align: center;">laser diode collimating lenses made of PMMA available with and without anti reflective coating</p>	1-99 pcs.	1-99 pcs.





GS-7020-2C, acrylic lens , 7 x 3.3 mm, f=8 mm, AR coated	1,81	2,06
GS-7021-2C, acrylic lens , 5 x 2.3 mm, f=6 mm, AR coated	1,81	2,06
CAY046, acrylic lens , 7.4 x 3.05 mm, f=4.6 mm, NA = 0.40, AR coated	5,86	6,68
CAY046NC, acrylic lens , 7.4 x 3.05 mm, f=4.6 mm, NA = 0.40, uncoated	3,89	4,43
CAW100NC, acrylic lens , 5.20 x 2.44 mm, f=10.0 mm, NA = 0.20, uncoated	4,36	4,97
LENS-05A, acrylic lens , 7 x 2.8 mm, f=8 mm	4,76	5,43
LC3, acrylic lens , 3 x 2.4 mm, BFL=3.41 mm, EFL=4.5 mm, PMMA, uncoated	1,90	2,17
ACL3033, acrylic lens , 3.0 x 2.0 mm, BFL=3.3 mm, PMMA, uncoated	1,60	1,82
LC5, acrylic lens , 5 x 2.3 mm, BFL=4.86 mm, EFL=6.0 mm, PMMA, uncoated	1,12	1,28
ACL5048, acrylic lens , 5.0 x 2.3 mm, BFL=4.8 mm, PMMA, uncoated	0,98	1,12
LC7, acrylic lens , 7 x 3.15 mm, EFL=7.8 mm, BFL=6.21 mm, PMMA, uncoated	1,12	1,28
ACL7065, acrylic lens , 7.0 x 3.3 mm, BFL=6.47 mm, PMMA, uncoated	0,98	1,12
LC12, acrylic lens , 7 x 3.15 mm, BFL=11.2 mm, EFL=12.5 mm, PMMA, uncoated	1,99	2,27
ACL7012, acrylic lens , 7.0 x 2.6 mm, EFL=12.5 mm, PMMA, uncoated	1,60	1,82

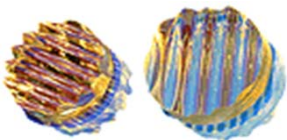

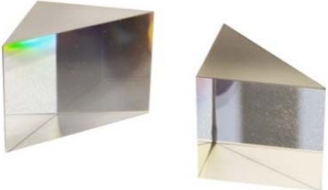
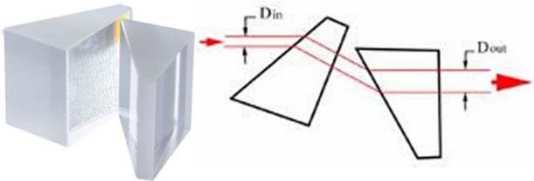
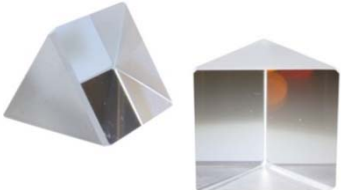
LASER DIODE COLLIMATORS - GLASS	EUR	USD
 <p style="text-align: center;">glass laser diode collimating lenses M9x0.5 threaded housing 1&3 glass lens design ARC for blue, green, red, and IR laser diodes available focal lengths 4 - 11 mm</p>	1-49 pcs.	1-49 pcs.

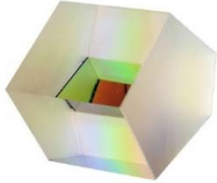
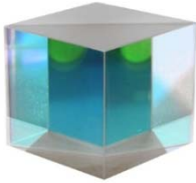
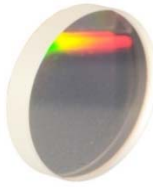
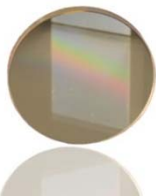
VIOLET, BLUE		
RGL-402-9C, glass lens , M9x0.5, f=4.0 mm, NA=0.6, ARC 400-700 nm	10,60	12,08
RGL-550-9Bs, glass lens , M9x0.5, f=5.5 mm, NA=0.25, ARC 405-450 nm	10,60	12,08
RGL-550-9B, glass lens , M9x0.5, f=5.5 mm, NA=0.45, ARC 405-450 nm	10,60	12,08
RGL-550-9C, glass lens , M9x0.5, f=5.5 mm, NA=0.45, ARC 400-700 nm	10,60	12,08
RGL-650-9C, glass lens , M9x0.5, f=6.5 mm, NA=0.45, ARC 400-700 nm	10,60	12,08
GS-8020B, 3 glass lens , M9x0.5, f=8 mm, NA=0.3, ARC 400-450 nm, O-ring sealing	9,80	11,17
RGL-830-9B, glass lens , M9x0.5, f=8.3 mm, NA=0.30, ARC 405-450 nm	10,60	12,08
LCB-3G, 3 glass lens , M9x0.5, f=9.5 mm, NA=0.26, ARC 400-450 nm	13,40	15,27
RGL-110-9B, glass lens , M9x0.5, f=11.0 mm, NA=0.45, ARC 405-450 nm	10,60	12,08





GREEN		
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RGL-402-9C, glass lens , M9x0.5, f=4.0 mm, NA=0.6, ARC 400-700 nm	10,60	12,08
RGL-550-9G, glass lens , M9x0.5, f=5.5 mm, NA=0.45, ARC 515-535 nm	n.a.	n.a.
RGL-550-9C, glass lens , M9x0.5, f=5.5 mm, NA=0.45, ARC 400-700 nm	10,60	12,08
RGL-650-9C, glass lens , M9x0.5, f=6.5 mm, NA=0.45, ARC 400-700 nm	10,60	12,08
RED		
RGL-402-9C, glass lens , M9x0.5, f=4.0 mm, NA=0.6, ARC 400-700 nm	10,60	12,08
RGL-550-9Rs, glass lens , M9x0.5, f=5.5 mm, NA=0.25, ARC 630-670 nm	10,60	12,08
RGL-550-9R, glass lens , M9x0.5, f=5.5 mm, NA=0.45, ARC 630-670 nm	10,60	12,08
RGL-550-9C, glass lens , M9x0.5, f=5.5 mm, NA=0.45, ARC 400-700 nm	10,60	12,08
RGL-650-9C, glass lens , M9x0.5, f=6.5 mm, NA=0.45, ARC 400-700 nm	10,60	12,08
GS-8020A, 3 glass lens , M9x0.5, f=8.0 mm, NA=0.3, ARC 630-670 nm, O-ring sealing	9,80	11,17
RLC-103AF, 3 glass lens , M9x0.5, f=8.0 mm, NA=0.3, ARC 630-670 nm	9,50	10,83
RGL-830-9R, glass lens , M9x0.5, f=8.3 mm, NA=0.30, ARC 630-670 nm	10,60	12,08
LENS-15, single glass lens , 5 x 1.5 mm, f=9.0 mm, NA=0.11, ARC 630-670 nm	6,80	7,75
MPG-95, 3 glass lens , M9x0.5, f=9.5 mm, NA=0.29, ARC 630-670 nm	13,20	15,04
MPG-11, 3 glass lens , M9x0.5, f=11.0 mm, NA=0.26, ARC 630-670 nm	13,20	15,04
RGL-110-9R, glass lens , M9x0.5, f=11.0 mm, NA=0.45, ARC 630-670 nm	10,60	12,08
IR		
RGL-820-9IR, glass lens , M9x0.5, f=8.2 mm, NA=0.29, ARC 630-780 nm	12,80	14,59
RLY-134G, 3 glass lens , M9x0.5, f=8.2 mm, NA=0.29, ARC 630-780 nm	12,80	14,59
LASER DIODE COLLIMATORS ACHROMATIC DOUBLET LENS - GLASS		
 achromatic doublet lenses for limiting chromatic and spherical aberration best suited for laser diode collimation	EUR	USD
	1-49 pcs.	1-49 pcs.
DBS-05, glass doublet , 5.2 x 3 mm, f = 11 mm, NA=0.11, ARC	13,40	15,27
DBS-07, glass doublet , 6.5 x 3.6 mm, f = 15 mm, NA=0.18, ARC	14,10	16,07
DBS-14, glass doublet , 14 x 6.9 mm, f = 45 mm, NA=0.13, ARC	19,85	22,62
INFRARED FRESNEL LENSES FOR THERMAL APPLICATIONS		
 fresnel lenses for general mid-IR to far-IR applications, transmission range: typ. 1 - 30 µm typical applications: thermopile detector, PIR detector, CO ₂ laser sensor, ...	EUR	USD
	1-99 pcs.	1-99 pcs.
FRES-MIR-12-A, size 12 x 0.6 mm, f=8 mm, white PE material	2,40	2,73
FRES-MIR-20-A, size 20 x 0.6 mm, f=20 mm, white PE material	2,56	2,92
FRES-MIR-12-B, size 12 x 0.6 mm, f=8 mm, dark PE material	2,40	2,73
FRES-MIR-20-B, size 20 x 0.6 mm, f=20 mm, dark PE material	2,56	2,92
SILICON LENSES FOR MID-IR and FAR-IR APPLICATIONS		
 silicon lenses for general Mid-IR to Far-IR thermal applications, transmission range: typ. 1.2 - 9 µm and 30 - 100 µm	EUR	USD
	1-10 pcs.	1-10 pcs.
MIR-SI-25-25, silicon plano convex lens, diameter: 25 mm, focus length: 25 mm, ct: 2.5 mm	99,00	112,82
MIR-SI-35-55, silicon plano convex lens, diameter: 35 mm, focus length: 55 mm, ct: 3.5 mm	121,00	137,89
GERMANIUM LENSES FOR MID-IR and FAR-IR APPLICATIONS		
 germanium lenses for general Mid-IR to Far-IR thermal applications, transmission range: typ. 2 - 17 µm	EUR	USD
	1-10 pcs.	1-10 pcs.
MIR-GE-25-25, germanium plano convex lens, diameter: 25 mm, FL: 25 mm, ct: 2.6 mm	187,00	213,10
MIR-GE-35-55, germanium plano convex lens, diameter: 35 mm, FL: 55 mm, ct: 3.5 mm	187,00	213,10

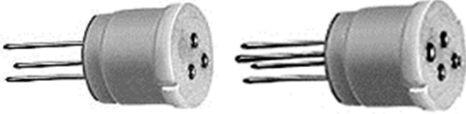


ZINC SELENIDE LENSES FOR MID-IR and THERMAL APPLICATIONS		EUR	USD
	zinc selenide lenses for IR detectors, CO ₂ laser focusing and general Mid-IR to Far-IR thermal applications, transmission range: typ. 600 nm - 16 μm		
		1-10 pcs.	1-10 pcs.
	MIR-ZN-25-50, ZnSe plano convex lens, diameter: 25.4 mm, FL: 50.8 mm, ct: 2.5 mm	144,00	164,10
	MIR-ZN-25-157, ZnSe plano convex lens, diameter: 25.4 mm, FL: 157 mm, ct: 2.5 mm	144,00	164,10
	MIR-ZN-25-50-M, ZnSe meniscus lens, AR/AR 10.6μm, dia. 25.4mm, FL 50.8mm, ct 2.5 mm	180,00	205,12
CALCIUM FLUORIDE LENSES FOR UV TO MID-IR APPLICATIONS		EUR	USD
	calcium fluoride lenses (CaF ₂) are broadband lenses from UV to Mid-IR spectral range with a flat transmission range from typ. 150 nm - 9 μm		
		1-10 pcs.	1-10 pcs.
	UVIR-CAF2-25-25, CaF ₂ bi convex lens, diameter: 25 mm, FL: 25 mm, ct: 11.0 mm	121,00	137,89
	UVIR-CAF2-35-55, CaF ₂ plano convex lens, diameter: 35 mm, FL: 55 mm, ct: 10.0 mm	143,00	162,96
CYLINDER LENSES - GLASS		EUR	USD
	glass cylinder lenses for line generation		
		1-49 pcs.	1-49 pcs.
	CL2.0x5.0, cylinder lens , diameter 2.0 mm, length 5.0 mm, BK-7 glass	3,50	3,99
	CL2.5x5.5, cylinder lens , diameter 2.5 mm, length 5.5 mm, BK-7 glass	3,50	3,99
	CL4.0x6.0, cylinder lens , diameter 4.0 mm, length 6.0 mm, BK-7 glass	3,50	3,99
	CL5.0x8.0, cylinder lens , diameter 5.0 mm, length 8.0 mm, ±25°, BK-7 glass	3,50	3,99
	CL7.0x10.0, cylinder lens , diameter 7.0 mm, length 10.0 mm, ±15°, BK-7 glass	3,50	3,99
	CL7.0x15.0, cylinder lens , diameter 7.0 mm, length 15.0 mm, ±15°, K9 glass, SD 40/20	7,40	8,43
	HCL8.2x3.4, half-cylinder lens , 8.2x3.4 mm, ±8°, BK-7 glass	o.r.	o.r.
	HCL10.0x2.0, half-cylinder lens , 10.0x2.0 mm, ±1.5°, BK-7 glass	4,30	4,90
	HCL10.0x7.0x3.7, half-cylinder lens , 10.0x7.0x3.7 mm, ±12°, BK-7 glass	4,30	4,90
POWELL LASER LINE GENERATORS - GLASS		EUR	USD
	patented Powell line generating lens offers very even intensity distribution over the complete length of the projected line		
		1-9 pcs.	1-9 pcs.
	PL532-1-10, 10° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	71,10	81,02
	PL650-3-10, 10° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	71,10	81,02
	PL650-5-10, 10° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	71,10	81,02
	PL532-1-15, 15° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	71,10	81,02
	PL650-3-15, 15° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	71,10	81,02
	PL650-5-15, 15° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	71,10	81,02
	PLLG-30, 30°-line , beam Ø 1mm, wavelength 650nm, Ø 9 x 9 mm ► PHASE OUT	59,00	67,23
	PL532-1-30, 30° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	71,10	81,02
	PL650-3-30, 30° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	71,10	81,02
	PL650-5-30, 30° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	71,10	81,02
	PL532-1-45, 45° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	64,10	73,05
	PL650-3-45, 45° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	64,10	73,05
	PL650-5-45, 45° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	64,10	73,05
	PL532-1-60, 60° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	64,10	73,05
	PL650-3-60, 60° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	64,10	73,05
	PL650-5-60, 60° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	64,10	73,05
	PL532-1-90, 90° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	64,10	73,05


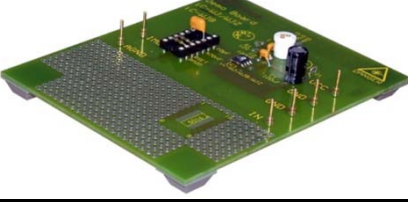
PL650-3-90, 90° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	64,10	73,05
PL650-5-90, 90° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	64,10	73,05
LINE & CROSS LINE GENERATORS - MOLDED PLASTIC	EUR	USD
 <p>molded plastic line generatoris and cross line generators</p>	1-99 pcs.	1-99 pcs.
LG-35, 8 x 2 mm, 35°-lineoptik , PMMA	2,65	3,02
LG-58, 8 x 2 mm, 58°-lineoptik , PMMA	2,65	3,02
LG-90, 8 x 2 mm, 90°-lineoptik , PMMA	2,65	3,02
CG-58, 8 x 2 mm, 2 x 58°-cross-lineoptik , PMMA	2,98	3,40
RETROREFLECTORS	EUR	USD
 <p>trihedral prisms or corner cubes do reflect a laser beam by 180° back to ist origin through total internal reflection</p>	1-99 pcs.	1-99 pcs.
CCUBE-13-K9, 12.7 x 9.5 mm, 60/40 SD, flatness $\lambda/10$, uncoated, H-K9L	48,00	54,70
CCUBE-13-BK7, 12.7 x 9.5 mm, S/D 60/40, flatness $\lambda/10$, uncoated, BK7	70,00	79,77
CCUBE-25-K9, 25.4 x 19 mm, S/D 60/40, flatness $\lambda/10$, uncoated, H-K9L	48,00	54,70
CCUBE-25-BK7, 25.4 x 19 mm, S/D 60/40, flatness $\lambda/10$, uncoated, BK7	87,50	99,71
PRISMS	EUR	USD
 <p>prisms can be used to deviate a laser beam by 90° or 180° depending on which side is used for the input beam</p>	1-99 pcs.	1-99 pcs.
RA-PRISM-10-K9, Right Angle Prism, 10x10x10mm, $\lambda/10$, uncoated, H-K9L	16,00	18,23
RA-PRISM-10-BK7, Right Angle Prism, 10x10x10mm, $\lambda/10$, uncoated, BK7	17,50	19,94
RA-PRISM-20-K9, Right Angle Prism, 20x20x20mm, $\lambda/10$, uncoated, H-K9L	24,50	27,92
RA-PRISM-20-BK7, Right Angle Prism, 20x20x20mm, $\lambda/10$, uncoated, BK7	28,50	32,48
RA-PRISM-25-K9, Right Angle Prism, 25x25x25mm, $\lambda/10$, uncoated, H-K9L	29,10	33,16
RA-PRISM-25-BK7, Right Angle Prism, 25x25x25mm, $\lambda/10$, uncoated, BK7	33,10	37,72
ANAMORPHIC PRISMS	EUR	USD
 <p>anamorphic prism pairs are used to convert an elliptic laser diode beam to near round beam profile</p>	1-99 pcs.	1-99 pcs.
AN-PRISM-12-SF11, Anamorphic Prism, 12x12x8.5mm, $\lambda/10$, uncoated, SF11	44,00	50,14
EQUILATERAL PRISMS	EUR	USD
 <p>equilateral or dispersion prisms have three equal 60° angles, and are used for spectral dispersion of light</p>	1-99 pcs.	1-99 pcs.
EL-PRISM-25-K9, Equilateral Prism, 25.4mm, $\lambda/10$, uncoated, H-K9L	45,00	51,28
EL-PRISM-25-BK7, Equilateral Prism, 25.4mm, $\lambda/10$, uncoated, BK7	52,50	59,83
PENTA PRISMS	EUR	USD

	penta prism deviates the input beam through 90°, but does not invert the image in the process		
		1-99 pcs.	1-99 pcs.
PT-PRISM-10-K9, Penta Prism, 10x10mm, $\lambda/10$, AL coating, H-K9L		69,60	79,31
PT-PRISM-10-BK7, Penta Prism, 10x10mm, $\lambda/10$, AL coating, BK7		42,00	47,86
PT-PRISM-25-BK7, Penta Prism, 25.4x25.4mm, $\lambda/10$, AL coating, BK7		84,00	95,72
POLARIZING BEAMSPLITTER CUBES		EUR	USD
	beamsplitter splits randomly polarized light into two linear polarized beams		
		1-99 pcs.	1-99 pcs.
PBS-05-BK7, Pol. Beamsplitter Cube, 5x5x5mm, $\lambda/4$, coating 450-650nm, BK7		110,00	125,35
PBS-10-ZF1, Pol. Beamsplitter Cube, 10x10x10mm, $\lambda/4$, coating 450-650nm, ZF1		92,00	104,84
PBS-10-BK7, Pol. Beamsplitter Cube, 10x10x10mm, $\lambda/4$, coating 450-650nm, BK7		117,50	133,90
PBS-20-ZF1, Pol. Beamsplitter Cube, 20x20x20mm, $\lambda/4$, coating 450-650nm, ZF1		98,60	112,36
PBS-20-BK7, Pol. Beamsplitter Cube, 20x20x20mm, $\lambda/4$, coating 450-650nm, BK7		133,20	151,79
WINDOWS		EUR	USD
	BK7 and H-K9L high precision uncoated windows for broad wavelength range of 350 nm to 2 μ m excellent transmission in the visible and IR range		
		1-99 pcs.	1-99 pcs.
WIN-10-K9, Window, \varnothing 10 x 3 mm, uncoated, H-K9L glass		9,50	10,83
WIN-10-BK7, Window, \varnothing 10 x 3 mm, uncoated, BK7 glass		9,50	10,83
WIN-13-K9, Window, \varnothing 12.7 x 3 mm, uncoated, H-K9L glass		9,50	10,83
WIN-13-BK7, Window, \varnothing 12.7 x 3 mm, uncoated, BK7 glass		9,50	10,83
WIN-15-K9, Window, \varnothing 15 x 3 mm, uncoated, H-K9L glass		10,50	11,97
WIN-15-BK7, Window, \varnothing 15 x 3 mm, uncoated, BK7 glass		10,50	11,97
WIN-20-K9, Window, \varnothing 20 x 3 mm, uncoated, H-K9L glass		13,50	15,38
WIN-20-BK7, Window, \varnothing 20 x 3 mm, uncoated, BK7 glass		13,50	15,38
WIN-25-K9, Window, \varnothing 25.4 x 3 mm, uncoated, H-K9L glass		18,00	20,51
WIN-25-BK7, Window, \varnothing 25.4 x 3 mm, uncoated, BK7 glass		18,00	20,51
WIN-30-K9, Window, \varnothing 30 x 3 mm, uncoated, H-K9L glass		19,00	21,65
WIN-30-BK7, Window, \varnothing 30 x 3 mm, uncoated, BK7 glass		19,00	21,65
WIN-50-K9, Window, \varnothing 50.8 x 3 mm, uncoated, H-K9L glass		25,50	29,06
WIN-50-BK7, Window, \varnothing 50.8 x 3 mm, uncoated, BK7 glass		25,50	29,06
METAL COATED MIRRORS		EUR	USD
	metal coated mirrors are ideally suited for reflecting light over a broad range of wavelengths		
		1-99 pcs.	1-99 pcs.
MIR-AL-25K9, Mirror, \varnothing 25.4 x 3 mm, $\lambda/10$, coating: AL+SiO ₂ , R _{AVS} > 87%, H-K9L		36,50	41,59
MIR-AL-25BK, Mirror, \varnothing 25.4 x 3 mm, $\lambda/10$, coating: AL+SiO ₂ , R _{AVS} > 87%, BK7		37,50	42,73
MIR-AG-25K9, Mirror, \varnothing 25.4 x 3 mm, $\lambda/10$, coating: AG+SiO ₂ , R _{AVS} > 95%, H-K9L		38,50	43,87
MIR-AG-25BK, Mirror, \varnothing 25.4 x 3 mm, $\lambda/10$, coating: AG+SiO ₂ , R _{AVS} > 95%, BK7		39,50	45,01
CONE MIRRORS		EUR	USD

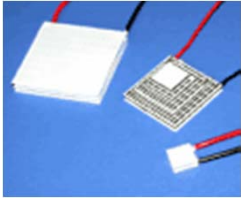
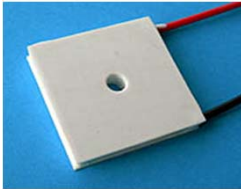
	<p>cone mirrors are used to reflect a laser beam by 90° and spread it's light in an angle of 360°</p>		
CMIR-AL-70, Cone Mirror, Ø 7.0 x 3.0 (6.0) mm, $\lambda/10$, Aluminum		1-99 pcs. 29,80	1-99 pcs. 33,96
AXICON LENS		EUR	USD
	<p>An AXICON transforms a laser beam into a ring shaped distribution. It can be used to turn a Gaussian beam into non-diffractive Bessel-like beams.</p> <ul style="list-style-type: none"> - S/D: 60/40 - ARC > 99 % @ 400-700nm - CA > 90 % 	1-99 pcs.	1-99 pcs.
Axicon-12-165, Axicon Lens, Ø 12.0 x 1.6mm, H-K9L, ARC 400-700nm		55,70	63,47
BALL LENSES		EUR	USD
	<p>Half ball lenses with high refraction index for shortest focal length ideally suited for fiber coupling application, endoscopy, ...</p> <p>S/D 40/20 Ovality <0,003</p>	1-99 pcs.	1-99 pcs.
HBL-01, Half ball lens, Ø 1 mm, uncoated, H-K9L glass		11,90	13,56
HBL-02, Half ball lens, Ø 2 mm, uncoated, H-K9L glass		9,20	10,48
HBL-03, Half ball lens, Ø 3 mm, uncoated, H-K9L glass		9,20	10,48
HBL-04, Half ball lens, Ø 4 mm, uncoated, H-K9L glass		9,20	10,48
HBL-05, Half ball lens, Ø 5 mm, uncoated, H-K9L glass		9,20	10,48
HBL-06, Half ball lens, Ø 6 mm, uncoated, H-K9L glass		12,80	14,59
HBL-08, Half ball lens, Ø 8 mm, uncoated, H-K9L glass		12,80	14,59
HBL-10, Half ball lens, Ø 10 mm, uncoated, H-K9L glass		14,20	16,18
HBL-15, Half ball lens, Ø 15 mm, uncoated, H-K9L glass		17,50	19,94
HBL-18, Half ball lens, Ø 18 mm, uncoated, H-K9L glass		29,10	33,16
HBL-25, Half ball lens, Ø 25 mm, uncoated, H-K9L glass		33,60	38,29
HBL-38, Half ball lens, Ø 38 mm, uncoated, H-K9L glass		41,90	47,75
BALL LENSES		EUR	USD
	<p>ball lenses with high refraction index for shortest focal length ideally suited for fiber coupling application, endoscopy, ...</p> <p>S/D 40/20 Ovality <0,003</p>	1-99 pcs.	1-99 pcs.
BL-01, Ball Lens, Ø 1 mm, uncoated, H-K9L glass		9,90	11,28
BL-02, Ball Lens, Ø 2 mm, uncoated, H-K9L glass		8,20	9,34
BL-03, Ball Lens, Ø 3 mm, uncoated, H-K9L glass		8,20	9,34
BL-04, Ball Lens, Ø 4 mm, uncoated, H-K9L glass		8,20	9,34
BL-05, Ball Lens, Ø 5 mm, uncoated, H-K9L glass		8,20	9,34
BL-06, Ball Lens, Ø 6 mm, uncoated, H-K9L glass		11,80	13,45
BL-08, Ball Lens, Ø 8 mm, uncoated, H-K9L glass		9,30	10,60
BL-10, Ball Lens, Ø 10 mm, uncoated, H-K9L glass		13,10	14,93
BL-15, Ball Lens, Ø 15 mm, uncoated, H-K9L glass		15,50	17,66
BL-18, Ball Lens, Ø 18 mm, uncoated, H-K9L glass		57,90	65,98
BL-25, Ball Lens, Ø 25 mm, uncoated, H-K9L glass		62,40	71,11
BL-38, Ball Lens, Ø 38 mm, uncoated, H-K9L glass		68,70	78,29
FIBER OPTIC COLLIMATOR LENSES		EUR	USD

	<p>Collimate light exiting a fiber to a selected spot size. The lenses are broadband coated, but can be also offered with customized antireflection coating. The units are available with FC/PC or SMA connector.</p> <p>focal lengths 4 - 40 mm, spot size 1.1 - 11 mm</p>		
		1-10 pcs.	1-10 pcs.
FOC-A4F30-FC, f = 4 mm, 3 mrad, spot Ø1.1 mm, Ø18 x 29 mm, FC connector		192,69	219,58
FOC-A4F30-SMA, f = 4 mm, 3 mrad, spot Ø1.1 mm, Ø18 x 29 mm, SMA connector		192,69	219,58
FOC-C10F12-FC, f = 10 mm, 1.2 mrad, spot Ø2.75 mm, Ø18 x 30.4 mm, FC connector		207,03	235,92
FOC-C10F12-SMA, f = 10 mm, 1.2 mrad, spot Ø2.75 mm, Ø18 x 30.4 mm, SMA connector		207,03	235,92
FOC-C15F10-FC, f = 15 mm, 1 mrad, spot Ø4 mm, Ø18 x 30.4 mm, FC connector		207,03	235,92
FOC-C15F10-SMA, f = 15 mm, 1 mrad, spot Ø4 mm, Ø18 x 30.4 mm, SMA connector		207,03	235,92
FOC-C15F10Q-FC, f = 15 mm, 1 mrad, spot Ø4 mm, quartz lens, Ø18 x 30.4 mm, FC connector		221,36	252,25
FOC-C15F10Q-SMA, f = 15 mm, 1 mrad, spot Ø4 mm, quartz lens, Ø18 x 30.4 mm, SMA conn.		221,36	252,25
FOC-B18F07-FC, f = 18 mm, 0.7 mrad, spot Ø5 mm, Ø18 x 34 mm, FC connector		192,69	219,58
FOC-B18F07-SMA, f = 18 mm, 0.7 mrad, spot Ø5 mm, Ø18 x 34 mm, SMA connector		192,69	219,58
FOC-C20F10-FC, f = 20 mm, 1 mrad, spot Ø5.5 mm, Ø18 x 30.4 mm, FC connector		207,03	235,92
FOC-C20F10-SMA, f = 20 mm, 1 mrad, spot Ø5.5 mm, Ø18 x 30.4 mm, SMA connector		207,03	235,92
FOC-C20F05D-FC, f = 20 mm, 0.5 mrad, spot Ø5.5 mm, double lens, Ø18 x 30.4 mm, FC conn.		221,36	252,25
FOC-C20F05D-SMA, f = 20 mm, 0.5 mrad, spot Ø5.5 mm, double lens, Ø18 x 30.4 mm, SMA		221,36	252,25
FOC-D30F07-FC, f = 30 mm, 0.7 mrad, spot Ø8.2 mm, Ø25.4 x 56.1 mm, FC connector		235,69	268,58
FOC-D30F07-SMA, f = 30 mm, 0.7 mrad, spot Ø8.2 mm, Ø25.4 x 56.1 mm, SMA connector		235,69	268,58
FOC-D40F07-FC, f = 40 mm, 0.7 mrad, spot Ø11 mm, Ø25.4 x 56.1 mm, FC connector		235,69	268,58
FOC-D40F07-SMA, f = 40 mm, 0.7 mrad, spot Ø11 mm, Ø25.4 x 56.1 mm, SMA connector		235,69	268,58
FOC-D40F08D-FC, f = 40 mm, 0.8 mrad, spot Ø11 mm, double lens, Ø25.4 x 56.1 mm, FC conn.		251,62	286,74
FOC-D40F08D-SMA, f = 40 mm, 0.8 mrad, spot Ø11 mm, double lens, Ø25.4 x 56.1 mm, SMA		251,62	286,74
FOC-D40F02Q-FC, f = 40 mm, 0.2 mrad, spot Ø11 mm, quartz lens, Ø25.4 x 56.1 mm, FC conn.		251,62	286,74
FOC-D40F02Q-SMA, f = 40 mm, 0.2 mrad, spot Ø11 mm, quartz lens, Ø25.4 x 56.1 mm, SMA		251,62	286,74
DIFFRACTIVE PATTERN GENERATORS		EUR	USD
	<p>diffraction pattern generators made from ruled PMMA sheets standard figures: line, circle, cross line</p> <p>special patterns available on request</p>		
		1-99 pcs.	1-99 pcs.
DPG11, circle , angle 3°, acrylic die, 7 x 1 mm		1,10	1,25
DPG12, line , angle 6°, acrylic die, 7 x 1 mm		1,10	1,25
DPG18, cross line , angle 8.8°, acrylic die, 7 x 1 mm		1,10	1,25
ACCESSORIES FOR LASER DIODES			
MOUNTING TUBES FOR LASER DIODES AND OPTICS		EUR	USD
	<p>Complete Laser Diode Assembly</p> <ul style="list-style-type: none"> - precise CNC tooling - for 3.8, 5.6 & 9.0mm TO-Can laser diodes - compact size - focusable acrylic lens, uncoated - threaded latching, no glue required 		
		1-99 pcs.	1-99 pcs.
LDA-38, 3.8 mm laser diode assembly with focusable acrylic lens f=6.5mm, 6.5x11 mm, brass		18,10	20,63
LDA-56, 5.6 mm laser diode assembly with focusable acrylic lens f=6.5mm, 11x13 mm, brass		19,20	21,88
LDA-90, 9.0 mm laser diode assembly with focusable acrylic lens f=6.5mm, 11x14 mm, brass		19,20	21,88
	<p>laser diode optic mounting tubes used for mounting laser diodes with 5.6 mm or 9 mm packages and diverse collimating optics with standard thread M9 x 0.5 mm aluminium, black anodized</p>		
		1-99 pcs.	1-99 pcs.
LDMT-56-10, 5.6 mm LD mounting tube, 10x18 mm, thread M9 x 0.5		14,29	16,29


LDMT-56-10-LT, 5.6 mm LD mounting tube, 10x18 mm, long thread M9 x 0.5	14,29	16,29
LDMT-90-10, 9.0 mm LD mounting tube, 10x18 mm, thread M9 x 0.5	14,29	16,29
LDMT-90-10-LT, 9.0 mm LD mounting tube, 10x18 mm, long thread M9 x 0.5	14,29	16,29
LDMT-90-11, 9.0 mm LD mounting tube, 11x18 mm, thread M9 x 0.5	14,29	16,29
SOCKETS FOR LASER DIODES	EUR	USD
 <p>laser diode socket teflon body, gold plated contacts, 3 pins or 4 pins, superior quality, for 5.6 and 9.0 mm laser diodes</p>	1-99 pcs.	1-99 pcs.
LDS-T-3, laser diode socket 3-pin version, teflon, gold plated, superior quality	4,96	5,65
LDS-T-4, laser diode socket 4-pin version, teflon, gold plated, superior quality	5,62	6,40
DRIVERS FOR LASER DIODES		
LASER DIODE DRIVER BOARDS (PCB)	EUR	USD
 <p>diverse, easy to handle driver boards for laser diodes, ready to use, but not preset to the specific parameters of the laser diode LD specific drive parameters can be adjusted in a wide range</p>	1-49 pcs.	1-49 pcs.
N-type (common LD+ and PD-)		
iC-WK2D , 6.5 x 20 mm ² , PCB-board, N-type, CAC	9,53	10,86
iC-WKL2D , 6.5 x 20 mm ² , PCB-board, N-type, CAC	10,79	12,30
EU-37 , 10.5 x 18 mm ² , APC, 4.5-6 VDC, slow start, max 200 mA	9,54	10,87
EU-38-PD , 35 x 14 mm ² , auto power control, LD current max. 1 A	24,00	27,35
EU-41 , 10.5 x 18 mm ² , APC, 3 VDC, max. 100mA for BLUE and GREEN LD NEW	12,90	14,70
M-type (common LD- and PD-)		
iC-WK1D , 6.5 x 20 mm ² , PCB-board, M-type, CCA	9,53	10,86
iC-WKL1D , 6.5 x 20 mm ² , PCB-board, M-type, CCA	10,79	12,30
EU-38-PD , 35 x 14 mm ² , auto power control, LD current max. 1 A	24,00	27,35
P-type (common LD- and PD+)		
iC-WK1D , 6.5 x 20 mm ² , PCB-board, P-type, CCA	9,53	10,86
iC-WKL1D , 6.5 x 20 mm ² , PCB-board, P-type, CCA	10,79	12,30
EU-38-PD , 35 x 14 mm ² , auto power control, LD current max. 1 A	24,00	27,35
without PD		
EU-38-TTL , 35 x 14 mm ² , ACC, TTL modulable, LD current max. 1 A	22,00	25,07
EU-38-1 , 35 x 14 mm ² , ACC, max. 1.0 A	21,80	24,84
EU-40 , 9 x 23 mm ² , ACC, 3 VDC, max 200mA for BLUE and GREEN LD NEW	12,90	14,70
external PD		
EU-39 , 9 x 16 mm ² , APC, 3 VDC, max ~300 mA, ext. PD required	9,54	10,87
EU-43 , 11 x 23 mm ² , APC, 3 VDC, max 200mA for BLUE and GREEN LD , ext. PD required	12,90	14,70
HIGH POWER LASER DIODE CONTROLLERS	EUR	USD
 <p>High power, compact constant current laser diode driver with multiple layers of laser diode protection - Analog Control / RS-232 / UART - Output Current Range 0-15 A - Output Voltage Range 1-10 V - Efficiency < 97%</p>	1 pc	1 pc
without PD		
LD6015 , 37x58x30 mm ³ , ACC, 0-15A, 1-10V, Vin 10-14V, setpoint resolution 0,01A	446,00	508,24
LASER DIODE DRIVER ICs	EUR	USD

	diverse drivers for laser diodes as integrated circuits	1-49 pcs.	1-49 pcs.
iC-VJ SO16N, driver IC for cw laser diodes		4,05	4,61
iC-VJZ SO16N, driver IC for cw laser diodes		4,05	4,61
iC-WJ SO8, driver IC for cw laser diodes		3,67	4,18
iC-WJ MSOP8, driver IC for cw laser diodes		3,77	4,30
iC-WJZ SO8, driver IC for cw laser diodes		3,67	4,18
iC-WJZ MSOP8, driver IC for cw laser diodes		3,77	4,30
iC-WJB SO8, driver IC for cw laser diodes, 2.7 VDC		3,91	4,45
iC-WJB MSOP8, driver IC for cw laser diodes, 2.7 VDC		4,01	4,57
iC-WK SO8, driver IC for any laser diode polarity, 2.4 VDC		3,29	3,74
iC-WK MSOP8, driver IC for any laser diode polarity, 2.4 VDC		3,35	3,82
iC-WKL SO8, driver IC for any laser diode polarity, industrial, 2.4 VDC		3,90	4,44
iC-WKL MSOP8, driver IC for any laser diode polarity, industrial, 2.4 VDC		3,90	4,44
iC-HB QFN24, triple laser diode switch 155 MHz, with LVDS inputs		5,00	5,70
iC-HG QFN28, laser diode switch 200 MHz, Ip up to 3 A		10,00	11,40
iC-HK SO8-TP, laser diode switch 155 MHz, Ip up to 700 mA		3,13	3,56
iC-HK MSOP8, laser diode switch 155 MHz, Ip up to 700 mA		3,13	3,56
iC-HKB SO8-TP, laser diode switch 155 MHz for blue laser diodes, Ip up to 700 mA		3,13	3,56
iC-HKB MSOP8, laser diode switch 155 MHz for blue laser diodes, Ip up to 700 mA		3,30	3,76
iC-HTG QFN24-4x4, power laser diode driver, --> NEW		10,40	11,85
iC-HTP QFN28-5x5, dual cw p-type laser diode driver, up to 1500mA combined, --> NEW		10,40	11,85
iC-WKM SO8-TP, cw M-type laser diode driver IC, up to 350 mA, Ub: 3.6 - 15 VDC		4,40	5,01
iC-WKM DFN10, cw M-type laser diode driver IC, up to 350 mA, Ub: 3.6 - 15 VDC		4,40	5,01
iC-WKN SO8-TP, cw N-type laser diode driver IC, up to 300 mA, Ub: 2.4 - 15 VDC		4,40	5,01
iC-WKN DFN10, cw N-type laser diode driver IC, up to 300 mA, Ub: 2.4 - 15 VDC		4,40	5,01
iC-WKP SO8-TP, cw P-type laser diode IC, up to 350 mA, Ub: 3.0 - 15 VDC		4,40	5,01
iC-WKP DFN10, cw P-type laser diode IC, up to 350 mA, Ub: 3.0 - 15 VDC		4,40	5,01
iC-NZ QFN28, laser diode pulse driver IC, 3.5 - 5.5 V supply, cw .. 155 MHz		10,00	11,40
iC-NZN QFN24, N-type laser diode pulse driver IC, 3.5 - 5.5 V supply, cw .. 155 MHz		6,00	6,84
iC-NZP QFN24, P-type laser diode pulse driver IC, 3.5 - 5.5 V supply, cw .. 155 MHz		6,00	6,84
iC-HL DFN10, programable laser bias resistor (phase out 03/2018)		6,00	6,84
EVALUATION BOARDS FOR LASER DIODE DRIVER ICs		EUR	USD
	evaluation boards, to set up your iC drivers easily	1-49 pcs.	1-49 pcs.
iC-HTG EVAL HTG1D, demo board for iC-HTG with USB interface, including 2 samples		129,20	147,23
iC-HTP EVAL HTP1D, demo board for iC-HTP with USB interface, including 2 samples		129,20	147,23
iC-HG EVAL HG1D, demo board for iC-HG, including 2 samples		76,00	86,61
iC-NZ EVAL NZ1D, demo board for iC-NZ, including 2 samples		76,00	86,61
iC-NZN EVAL NZN1D, demo board for iC-NZN, including 2 samples		76,00	86,61
iC-NZP EVAL NZP1D, demo board for iC-NZP, including 2 samples		76,00	86,61
iC-VJ EVAL VJD, demo board for iC-VJ, including 2 samples		76,00	86,61
iC-VJZ EVAL VJD, demo board for iC-VJZ, including 2 samples		76,00	86,61
iC-WJ EVAL WJ1D, demo board for iC-WJ, including 2 samples		76,00	86,61
iC-WJB EVAL WJ1D, demo board for iC-WJB, including 2 samples		76,00	86,61
iC-WJZ EVAL WJ1D, demo board for iC-WJZ, including 2 samples		76,00	86,61
iC-WK EVAL WK4D, demo board for iC-WK, including 2 samples		76,00	86,61
iC-WKL EVAL WK4D, demo board for iC-WKL, including 2 samples		76,00	86,61
iC-WKN EVAL WK4D, demo board for iC-WKN, including 2 samples		76,00	86,61
iC-WKM EVAL WK1D, demo board for iC-WKM, including 2 samples		76,00	86,61
iC-WKP EVAL WK1D, demo board for iC-WKP, including 2 samples		76,00	86,61


THERMOELECTRIC COOLERS







TEC ELEMENTS (peltier elements)	EUR	USD
 <p>TEC elements for cooling and heating, diverse sizes and electrical properties 1-, 2-, 3- and 4 stage modules available</p> <p>Tmax: 125 °C OEM designs available on request</p>	1-9 pcs.	1-9 pcs.
TEC1-00705T125 , 1 stage, 7 couples, 0.85V, 5A, 2.8W, dTmax: 67°C, 10x10x4.0 mm3	8,40	9,57
TES1-1702LT125 , 1 stage, 17 couples, 2.0V, 2A, 2.4W, dTmax: 64°C, 6.2x6.2x2.2 mm3	15,90	18,12
TES1-03103T125 , 1 stage, 31 couples, 3.7V, 3A, 7.0W, dTmax: 66°C, 15x15x3.5 mm3	8,70	9,91
TES1-3202T125 , 1 stage, 32 couples, 3.87V, 2A, 4.31W, dTmax: 66°C, 8.2x8.2x2.2 mm3	15,00	17,09
TES1-07103T125 , 1 stage, 71 couples, 8.5V, 3A, 15.8W, dTmax: 66°C, 23x23x3.5 mm3	12,60	14,36
TES1-12703T125 , 1 stage, 127 couples, 15.2V, 3A, 28.3W, dTmax: 66°C, 30x30x3.5 mm3	13,50	15,38
TEC1-12705T125 , 1 stage, 127 couples, 15.2V, 5A, 52.1W, dTmax: 67°C, 40x40x4.0 mm3	10,95	12,48
TEC2-25407T125 , 2 stages, 254 couples, 15.2V, 7A, dTmax: 100°C, 40x40x7.0 mm3	33,00	37,61
TEC3-22902T125 , 3 stages, 229 couples, 15.2V, 2A, dTmax: 100°C, 40x40x8.25 mm3	95,68	109,03
TES4-24601T125 , 4 stages, 246 couples, 15.2V, 1.3A, dTmax: 100°C, 30x30x14.5 mm	107,64	122,66
 <p>TEC element size 30 x 30 x 5.5 mm² for cooling and heating with central hole 4.7 mm diameter</p>	1-9 pcs.	1-9 pcs.
TEC1-07103T125 , 1 stage, 8.5V, 3A, 16W, dTmax: 67°C, 30x30x5.5 mm3, hole: 4.7 mm	12,00	13,67





LASER MODULES - UV





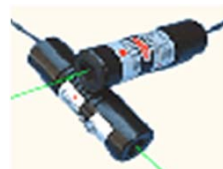
UV LASER DIODE MODULES, LDM-375 series, MODULATION	EUR	USD
 <p>375 nm laser diode module, with TEC and TTL or analog modulation, fiber coupling option, 85 - 260 VAC power supply included</p> <p>375 nm</p>	1-3 pcs.	1-3 pcs.
LDM-375-10-TEC-M, 375 nm , 10-20 mW cw, stability <5%, laser head 91x52x33 mm	9.472,00	10.793,91
LDM-375-20-TEC-M, 375 nm , 20-30 mW cw, stability <5%, laser head 91x52x33 mm	9.795,00	11.161,99
LDM-375-50-TEC-M, 375 nm , 40-50 mW cw, stability <5%, laser head 91x52x33 mm	10.120,00	11.532,35
LDM-375-100-TEC-M, 375 nm , 100 mW cw, stability <5%, laser head 91x52x33 mm	10.314,00	11.753,42
LDM-375-200-TEC-M, 375 nm , 200 mW cw, stability <5%, laser head 91x52x33 mm	10.605,00	12.085,03
LDM-375-50-TEC-M-F, 375 nm , 40 mW cw, adjustable, stability <5%, fiber coupled, MM	11.576,00	13.191,55
LDM-375-100-TEC-M-F, 375 nm , 80 mW cw, adjustable, stability <5%, fiber coupled, MM	11.738,00	13.376,16
LDM-375-200-TEC-M-F, 375 nm , 150 mW cw, adjustable, stability <5%, fiber coupled, MM	12.386,00	14.114,59

LASER MODULES - VIOLET

VIOLET LASER DIODE MODULES, CW405 series	EUR	USD
 <p>small size, high quality violet laser diode module - APC (automatic power control) - <1 mW or <5 mW - fixfocus - 2-5 VDC input voltage range</p> <p>405 nm</p>	1-9 pcs.	1-9 pcs.
CW405-01, 405 nm , 1 mW, automatic power control, Ø12 x 20 (49) mm, 2-5 VDC	29,80	33,96
CW405-05, 405 nm , 5 mW, automatic power control, Ø12 x 20 (49) mm, 2-5 VDC	29,80	33,96
VIOLET LASER DIODE MODULES, RLD series, FOCUSABLE	EUR	USD

 <p>violet laser diode module - APC (automatic power control) - low divergence - focusable glass lens - 1..100 mW</p> <p>405 nm</p>	1-9 pcs.	1-9 pcs.
RLDD405-1-3, 405 nm , 1mW, 0.5 mrad, focusable, Ø14 x 45 mm, 3 VDC, <70 mA	52,00	59,26
RLDE405-12-6, 405 nm , 12 mW, 0.6 mrad, focusable, Ø22 x 65 mm, 6 VDC, <70 mA	98,00	111,68
VIOLET LASER DIODE MODULES, RLDE405 M series, FOCUSABLE + MODULABLE	EUR	USD
 <p>high quality violet laser diode module - APC (automatic power control) - low divergence 0.6 mrad, focusable glass lens - 1..100 mW - modulable up to 20 kHz TTL</p> <p>405 nm</p>	1-9 pcs.	1-9 pcs.
RLDE405M-20-5, 405 nm , <20 mW, TTL <20 kHz, focusable, Ø16 x 50 mm, 5 VDC	138,00	157,26
RLDE405M-50-5, 405 nm , <50 mW, TTL <20 kHz, focusable, Ø22 x 65 mm, 5 VDC	149,00	169,79
RLDE405M-100-5, 405 nm , <100 mW, TTL <20 kHz, focusable, Ø22 x 65 mm, 5 VDC	160,00	182,33
VIOLET LASER DIODE MODULES, RLTPGL series	EUR	USD
 <p>violet laser diode module based on GaN laser diodes</p> <p>405 nm</p>	1-9 pcs.	1-9 pcs.
RLTPGL-405-10, 405 nm , 10 mW, 0.6 mrad, Ø15 x 50 mm, 6 VDC, typ. 50 mA	335,00	381,75
LASER MODULES - BLUE		
BLUE LASER DIODE MODULES, CW450 series	EUR	USD
 <p>small size, high quality blue laser diode module - APC (automatic power control) - < 1 mW or < 5 mW - fixfocus - wide input voltage range (2-5VDC)</p> <p>450 nm</p>	1-9 pcs.	1-9 pcs.
CW450-01, 450 nm , 1 mW, automatic power control, Ø12 x 21 (44) mm, 2-5 VDC	58,50	66,66
CW450-05, 450 nm , 5 mW, automatic power control, Ø12 x 21 (44) mm, 2-5 VDC	58,50	66,66
BLUE LASER DIODE MODULES, CW450F series, FOCUSABLE	EUR	USD
 <p>small size, high quality blue laser diode module - APC (automatic power control) - <5 mW - focusable (square beam) - wide input voltage range (2-5VDC)</p> <p>450 nm</p>	1-9 pcs.	1-9 pcs.
CW450-05F, 450 nm , 5 mW, APC, focusable, modulation, Ø13 x 29 (54) mm, 2-5 VDC	74,00	84,33
BLUE LASER DIODE MODULES, RLDD450 series, FOCUSABLE	EUR	USD
 <p>high quality blue laser diode module - ACC (automatic current control) - focusable glass lens - 1..40 mW</p> <p>450 nm</p>	1-9 pcs.	1-9 pcs.
RLDD450-40-5, 450 nm , 40 mW, 0.5 mrad, focusable, Ø14 x 45 mm, 5 VDC, <170 mA	128,00	145,86
BLUE DPSS LASER MODULES, CW473 series	EUR	USD



	<p>small size, high quality, solid state cw blue laser modules, featuring external 3 VDC driver circuit</p> <p>cooling necessary!</p> <p>473 nm</p>		
		1-3 pcs.	1-3 pcs.
CW473-1, 473 nm , 1 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC		571,43	651,18
CW473-5, 473 nm , 5 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC		523,81	596,91
CW473-10, 473 nm , 10 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC		607,14	691,88
CW473-20, 473 nm , 20 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC		642,86	732,57
CW473-50, 473 nm , 50 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC		797,33	908,61
BLUE LASER DIODE MODULES, LDM-488 series, MODULATION		EUR	USD
	<p>488 nm laser diode module with TEC and TTL or analog modulation, 85-260 VAC power supply included</p> <p>488 nm</p>		
		1-3 pcs.	1-3 pcs.
LDM-488-10-TEC-M, 488 nm , 10 mW cw, stability <5%, laser head 91x52x33 mm		6.414,00	7.309,14
LASER MODULES - GREEN			
GREEN LASER DIODE MODULES, CW520 series, DIRECT EMITTING LASER DIODE		EUR	USD
	<p>small size, high quality green laser diode module</p> <ul style="list-style-type: none"> - APC (automatic power control) - 1 and 5 mW available - fixfocus - wide input voltage range (3-5VDC) <p>515 nm</p>		
		1-9 pcs.	1-9 pcs.
CW520-01, 515 nm , <1 mW, CW, automatic power control, Ø12 x 18 (36) mm, 3-5 VDC		35,90	40,91
CW520-838-01, 515 nm , <1 mW, CW, automatic power control, Ø08 x 18 (38) mm, 3-5 VDC		32,90	37,49
CW520-05, 515 nm , <5 mW, CW, automatic power control, Ø12 x 18 (36) mm, 3-5 VDC		35,90	40,91
CW520-838-05, 515 nm , <5 mW, CW, automatic power control, Ø08 x 18 (38) mm, 3-5 VDC		32,90	37,49
GREEN LASER DIODE MODULES, RLCW520 series, DIRECT EMITTING LASER DIODE		EUR	USD
	<p>DIRECT EMITTING green diode laser modules</p> <ul style="list-style-type: none"> - glass lens, fixed focus - CW operation - APC (automatic power control) - wide operating temperature (-10..+60°C) <p>520 nm</p>		
		1-9 pcs.	1-9 pcs.
RLCW520-5-5, 520 nm , 5 mW, APC, 0.8 mrad, fixed focus, Ø8 x 35 mm, 5 VDC, 120 mA		165,00	188,03
RLCW520-12-5, 520 nm , 12 mW, APC, 0.8 mrad, fixed focus, Ø8 x 35 mm, 5 VDC, 250 mA		182,00	207,40
GREEN LASER DIODE MODULES, RLCW520M series, DIRECT EMITTING + MODULATION		EUR	USD
	<p>DIRECT EMITTING green diode laser modules</p> <ul style="list-style-type: none"> - glass lens, fixed focus - CW operation, modulation up to 10 kHz TTL - APC (automatic power control) - wide operating temperature (-10..+60°C) <p>520 nm</p>		
		1-9 pcs.	1-9 pcs.
RLCW520M-1-3, 520 nm , 1 mW, APC, TTL <1 kHz, fixed focus, Ø8 x 35 mm, 3 VDC, 30 mA		165,00	188,03
RLCW520M-5-5, 520 nm , 5 mW, APC, TTL <10 kHz, fixed focus, Ø8 x 35 mm, 5 VDC, 120 mA		182,42	207,88
GREEN LASER DIODE MODULES, RLCW520F series, DIRECT EMITTING + FOCUSABLE		EUR	USD
	<p>DIRECT EMITTING green diode laser modules</p> <ul style="list-style-type: none"> - focusable glass lens - CW operation - APC (automatic power control) - wide operating temperature (-10..+60°C) <p>520 nm</p>		
		1-9 pcs.	1-9 pcs.

RLCW520F-9-5, 520 nm , 9 mW, APC, 0.8 mrad, focusable, Ø16 x 65 mm, 5 VDC, 100 mA	182,00	207,40
GREEN DPSS LASER MODULES, CW532 831 series	EUR	USD
 <p>small, high quality auto power control solid state cw green laser modules cooling necessary!</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
CW532-1-831, 532 nm , <1 mW, APC, 1.2 mrad, cw, Ø8 x 31 (49) mm, 3.0 VDC	36,20	41,25
CW532-5-831, 532 nm , <5 mW, APC, 1.2 mrad, cw, Ø8 x 31 (49) mm, 3.0 VDC	36,20	41,25
GREEN DPSS LASER MODULES, CW532 series	EUR	USD
 <p>low cost, high quality small size solid state cw green laser modules --> heat sink available --> power supply available</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
CW532-001, 532 nm , <1 mW, APC, 0.6 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC, ~140 mA	37,20	42,39
CW532-005, 532 nm , <5 mW, APC, 0.6 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC, ~140 mA	40,20	45,81
CW532-010, 532 nm , 10 mW, APC, 0.8 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC, ~200 mA	56,20	64,04
CW532-020, 532 nm , 20 mW, APC, 0.8 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC, ~250 mA	69,00	78,63
CW532-030, 532 nm , 30 mW, APC, 0.8 mrad, cw, Ø12 x 35 (53) mm, 3.0 VDC, ~350 mA	93,20	106,21
CW532-050, 532 nm , 50 mW, APC, 0.8 mrad, cw, Ø12 x 35 (53) mm, 3.0 VDC, ~600 mA	100,20	114,18
CW532-100, 532 nm , 100 mW, ACC, 1.2 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC, ~650 mA	200,20	228,14
GREEN DPSS LASER MODULES, CW532 HT series, HIGH TEMPERATURE	EUR	USD
 <p>wide temperature range (10 - 50 °C), small size, green DPSS laser modules, APC cooling necessary!</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
CW532HT-1, 532 nm , 0.5-0.99 mW, APC, 10-50°C , 1.2 mrad, cw, Ø12 x 31.3 (51.3) mm, 3 VDC	125,20	142,67
CW532HT-5, 532 nm , 3-5 mW, APC, 10-50°C , 1.2 mrad, cw, Ø12 x 31.3 (51.3) mm, 3 VDC	144,20	164,32
LAS532-WT50-3, 532 nm , 3.25 mW, APC, -10-50°C , 1.7 mrad, cw, Ø12 x 35mm, 3 VDC	102,00	116,24
GREEN DPSS LASER MODULES, CW532 F series, FOCUSABLE	EUR	USD
 <p>focusable solid state auto power control cw green laser modules cooling necessary!</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
CW532-001F, 532 nm , <1 mW, APC, focusable, Ø13 x 37 (55) mm, 3.0 VDC, 150 mA	43,70	49,80
CW532-005F, 532 nm , <5 mW, APC, focusable, Ø13 x 37 (55) mm, 3.0 VDC, 200 mA	43,70	49,80
CW532-010F, 532 nm , 10 mW, APC, focusable, Ø13 x 37 (55) mm, 3.0 VDC, 200 mA	53,70	61,19
CW532-020F, 532 nm , 20 mW, APC, focusable, Ø13 x 37(55) mm, 3.0 VDC, 250 mA	67,20	76,58
CW532-050F, 532 nm , 50 mW, APC, focusable, Ø13 x 37 (55) mm, 3.0 VDC, 600 mA	100,40	114,41
CW532-100F, 532 nm , 100 mW, ACC, focusable, Ø13 x 37(55) mm, 3.0 VDC, 650 mA	197,20	224,72
GREEN DPSS LASER MODULES, RLDD532 series	EUR	USD
 <p>small size diode pumped solid state green laser modules, ready to use, auto power control, size: 16 x 60 mm supply voltage: 3.0 VDC</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
RLDD532-1-3, 532 nm , 1 mW, APC, 0.5 mrad, cw, Ø16 x 60 mm, 3.0 VDC, laser class II	78,34	89,27
RLDD532-3-3, 532 nm , 3 mW, APC, 0.5 mrad, cw, Ø16 x 60 mm, 3.0 VDC	80,77	92,04
RLDD532-5-3, 532 nm , 5 mW, APC, 0.5 mrad, cw, Ø16 x 60 mm, 3.0 VDC	90,77	103,44
RLDD532-10-3, 532 nm , 10 mW, APC, 0.5 mrad, cw, Ø20 x 80 mm, 3.0 VDC	122,31	139,38



RLDD532-50-3, 532 nm , 50 mW, APC, 0.5 mrad, cw, Ø42 x 80mm, 3.0 VDC	313,00	356,68
GREEN DPSS LASER MODULES, CW532 04 series, MODULATION	EUR	USD
 <p>diode pumped solid state green laser modules, ready to use, auto power control, external driver unit, CW and modulation, laser head: 34 x 50 x 50 mm supply voltage: 9.0 VDC</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
CW532-04-1, 532 nm , <1 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC	199,00	226,77
CW532-04-5, 532 nm , <5 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC	219,00	249,56
CW532-04-10, 532 nm , <10 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC	229,00	260,96
CW532-04-20, 532 nm , <20 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC	318,00	362,38
CW532-04-30, 532 nm , >30 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC	365,00	415,94
CW532-04-50, 532 nm , >50 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC	449,00	511,66
CW532-04-100, 532 nm , >100 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC	629,00	716,78
GREEN DPSS LASER MODULES, GLML3C1 series, MODULATION	EUR	USD
 <p>diode pumped solid state green laser modules, ready to use, auto power control, external driver unit, CW and modulation supply voltage: 9.0 VDC</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
GLML3C1-50, 532 nm , >50 mW, cw+modulable, case, BNC, 9 VDC	825,00	940,14
GREEN DPSS LASER MODULES, MGM2 series, MODULATION	EUR	USD
 <p>diode pumped solid state green laser modules, ready to use, auto power control, external driver unit, CW and modulation supply voltage: 6.0 VDC</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
MGM2-01, 532 nm , 1..3 mW, cw, <1.4 mrad, M ² <2.0, beam diameter <1 mm, 4-6 VDC	390,00	444,43
LASER MODULES - GREEN LINE		
GREEN LINE LASER MODULES, RLCW520FL series, DIRECT EMITTING + FOCUSABLE	EUR	USD
 <p>DIRECT EMITTING green line laser modules - APC (automatic power control) - 90° line, cylinder lens - focusable glass lens - wide operating temperature (-10..+60°C)</p> <p>520 nm</p>	1-9 pcs.	1-9 pcs.
RLCW520FL-5-5, 520 nm , 5 mW, line, 0.4 mrad, focusable, Ø16 x 65 mm, 5 VDC, 150 mA	182,00	207,40
GREEN LINE DPSS LASER MODULES, CW532 833L series	EUR	USD
 <p>60° green line generator, high quality, small size solid state cw green laser modules cooling necessary!</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
CW532-1-833L, 532 nm , <1 mW, APC, 60° line, cw, Ø8 x 35 (53) mm, 3.0 VDC, 150 mA	41,10	46,84
CW532-5-833L, 532 nm , <5 mW, APC, 60° line, cw, Ø8 x 35 (53) mm, 3.0 VDC, 200 mA	41,10	46,84
GREEN LINE DPSS LASER MODULES, CW532 L series	EUR	USD
 <p>60° green line generator, small size solid state cw green laser modules cooling necessary! --> heat sink available</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
CW532-001L, 532 nm , <1 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	41,00	46,72

CW532-005L, 532 nm , <5 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	44,30	50,48
CW532-010L, 532 nm , <10 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	60,60	69,06
CW532-020L, 532 nm , <20 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	73,80	84,10
CW532-030L, 532 nm , 30 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	97,20	110,77
CW532-050L, 532 nm , 50 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	104,70	119,31
CW532-100L, 532 nm , 100 mW, ACC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	204,70	233,27

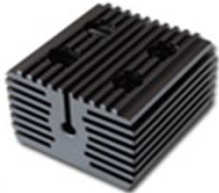
LASER MODULES - GREEN 360° LINE

TN360 series	EUR	USD
 <p>High power 360° line laser module</p> <p>Compact size laser module with 360° line projection through a polished cone mirror. Working distance. 5m</p>	1-9 pcs.	1-9 pcs.
TN360-5030, 505 nm , 30 mW, 360° line, Ø13(20) x 27 mm, 3-5 VDC	59,00	67,23
TN360-5230, 520 nm , 30 mW, 360° line, Ø13(20) x 27 mm, 3-5 VDC	59,00	67,23
GREEN LINE DPSS LASER MODULES, RLLD532 series	EUR	USD
 <p>90° green line generator, high quality, auto power control, small size solid state cw</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
RLLD532-5-3, 532 nm , <5 mW, APC, 90° line, cw, Ø14 x 60 mm, 3.0 VDC, <300 mA	78,00	88,89

LASER MODULES - GREEN CROSS LINE

GREEN CROSS LINE LASER DIODE MODULES, RLCW520C series, DIRECT EMITTING	EUR	USD
 <p>DIRECT EMITTING green cross line laser modules</p> <ul style="list-style-type: none"> - APC (automatic power control) - 90° cross line, cylinder lenses - fixed focus - wide operating temperature (-10..+60°C) <p>520 nm</p>	1-9 pcs.	1-9 pcs.
RLCW520C-5-5, 520 nm , 4.5-5.5 mW, cross line, fixed focus, Ø20 x 80 mm, 5 VDC, 80 mA	182,00	207,40
GREEN CROSS LINE DPSS LASER MODULES, RLCA532 series	EUR	USD
 <p>green cross line generator, high quality, auto power control, small size solid state cw</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
RLCA532-5-3, 532 nm , <5 mW, APC, cross line, cw, Ø20 x 80 mm, 3.0 VDC, <300 mA	91,00	103,70

HEAT SINKS FOR CW532 MODULES






	EUR	USD
 <p>heat sink 50 x 50 x 34 mm for CW532 series and other 12 mm diameter laser modules</p>	1-9 pcs.	1-9 pcs.
Heat Sink SQ50x34, for CW532, black aluminium, 50 x 50 x 34 mm, 114 g	18,90	21,54





LASER MODULES - RED


LOW COST LASER DIODE MODULES	EUR	USD
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	<p>LDM635-03-05x25 low cost laser diode module for general purposes, 635 nm, < 3 mW</p>		
<p>LDM635-03-08x25, 635 nm, <3 mW, fixfocus, Ø8 x 25 mm, 3.0 VDC</p>		<p>1-99 pcs.</p>	<p>1-99 pcs.</p>
<p>LM series</p>		<p>EUR</p>	<p>USD</p>
	<p>LM-0x low cost laser diode module series for general purposes, 650 nm, typ. < 3 mW PHASE OUT!</p>		
<p>LM-01, 650 nm, <3 mW, dot, fixfocus, Ø8 x 29.5 mm, 3.0 VDC</p>		<p>1-99 pcs.</p>	<p>1-99 pcs.</p>
<p>LM-02, 650 nm, <3 mW, dot, fixfocus, Ø12 x 30.5 mm, 3.0 VDC</p>		<p>3,50</p>	<p>3,99</p>
	<p>low cost red laser module series, for general purpose input voltage 3-5 VDC, Po <1 mW, 9 x 26 mm Laser class II 650 nm</p>		
<p>LM-101-A16, 650 nm, <1 mW, fixfocus, Laser Class II, Ø9 x 26 mm, 3-5 VDC</p>		<p>1-99 pcs.</p>	<p>1-99 pcs.</p>
<p>LM-101-A16F, 650 nm, <1 mW, focusable, Laser Class II, Ø9 x 26 mm, 3-5 VDC</p>		<p>8,48</p>	<p>9,66</p>
	<p>low cost red laser module series, for general purpose power typ <1 mW or <5 mW, custom design on request 635, 650 nm</p>		
<p>LM-101-C4, 635 nm, <1 mW, TUV, Ø8 x 24 mm, 3.0 VDC</p>		<p>1-99 pcs.</p>	<p>1-99 pcs.</p>
<p>LM-101-A4, 650 nm, <1 mW, TUV, Ø8 x 24 mm, 3.0 VDC</p>		<p>6,35</p>	<p>7,24</p>
<p>LM-102-B004, 650 nm, <5 mW, FDA, Ø8 x 24 mm, 3.0 VDC</p>		<p>6,20</p>	<p>7,07</p>
	<p>low cost laser diode module for general purposes, visible wavelength 650 nm</p>		
<p>DT650-2.5-3, 650 nm, 3 mW, Ø10.5 x 28 mm, focusable, 3.0 VDC</p>		<p>1-99 pcs.</p>	<p>1-99 pcs.</p>
<p>6,89</p>		<p>7,85</p>	
	<p>low cost red laser diode module series, for general purposes, visible wavelength 635 nm and 650 nm, power typ. <1 mW or <3 mW, custom design on request PHASE OUT!</p>		
<p>RLM-650-A-1, 650 nm, 1-2 mW, Ø10 x 26.5 mm, 3.0-4.5 VDC</p>		<p>1-99 pcs.</p>	<p>1-99 pcs.</p>
<p>RLM-635-A-3, 635 nm, typ. 3..5 mW, Ø10 x 26.5 mm, 3.0-4.5 VDC</p>		<p>5,83</p>	<p>6,64</p>
<p>RLM-635-B-3, 635 nm, typ. 3..5 mW, Ø8 x 23.5 mm, 3.0-4.5 VDC</p>		<p>13,78</p>	<p>15,70</p>
<p>RLM-635-B-1, 635 nm, <1 mW, Ø8 x 23.5 mm, 3.0-4.5 VDC</p>		<p>13,78</p>	<p>15,70</p>
<p>LJ series</p>		<p>EUR</p>	<p>USD</p>
	<p>LJ series laser diode module, diverse wavelenths available, complete and ready to use, focusable single element aspheric acrylic collimator optic 635, 650 nm</p>		
<p>1-9 pcs.</p>		<p>1-9 pcs.</p>	<p>1-9 pcs.</p>



LDM635/1LJ, 635 nm , 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm	29,60	33,73
LDM635/3LJ, 635 nm , 3 mW, focusable, 3-5 V, Ø12 x 30.5 mm	29,60	33,73
LDM635/5LJ, 635 nm , 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm	34,00	38,75
LDM650/1LJ, 650 nm , 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm	26,80	30,54
LDM650/3LJ, 650 nm , 3 mW, focusable, 3-5 V, Ø12 x 30.5 mm	15,50	17,66
LDM650/5LJ, 650 nm , 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm	17,50	19,94
LJM series (modulable DC..100 kHz)	EUR	USD
 <p>LJM series laser diode module, complete and ready to use, focusable acrylic collimator optic with modulation DC to 300 kHz, analog and digital 635, 650 nm</p>	1-9 pcs.	1-9 pcs.
LDM635/1LJM, 635 nm , 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm	28,00	31,91
LDM635/5LJM, 635 nm , 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm	29,40	33,50
LDM650/1LJM, 650 nm , 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm	21,00	23,93
LDM650/5LJM, 650 nm , 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm	19,00	21,65
LT series	EUR	USD
 <p>LT series laser diode module, diverse wavelenths available, complete and ready to use, focusable 3-lens glass collimator, excellent beam quality 635, 650, 850, 980 nm</p>	1-9 pcs.	1-9 pcs.
LDM635/1LT, 635 nm , 1 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm	48,20	54,93
LDM635/1LTF, 635 nm , 1 mW, fixfocus, glass lens, 4-6V, Ø13 x 52 mm	31,00	35,33
LDM635/3LT, 635 nm , 3 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm	32,40	36,92
LDM635/5LT, 635 nm , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm	44,40	50,60
LDM650/1LT, 650 nm , 1 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm	31,30	35,67
LDM650/3LT, 650 nm , 3 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm	31,30	35,67
LDM650/5LT, 650 nm , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm	35,00	39,88
LTM series (modulable DC..100 kHz)	EUR	USD
 <p>LTM series laser diode module, complete and ready to use, focusable 3-lens glass collimator, modulation DC .. 300 kHz, analog and digital, excellent beam quality 635, 650 nm</p>	1-9 pcs.	1-9 pcs.
LDM635/5LTM, 635 nm , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm	60,00	68,37
LDM650/5LTM, 650 nm , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm	40,00	45,58
RLDC MICRO series	EUR	USD
 <p>very small size 8 x 27.5 mm - focusable glass collimator - power supply 3 VDC 635, 650, 670 nm</p>	1-9 pcs.	1-9 pcs.
RLDC635-2.2-3, 635 nm , typ. 2.5 mW, focusable, Ø8 x 25.0 mm, 3 VDC	29,90	34,07
RLDC650-2.2-3, 650 nm , typ. 2 mW, focusable, Ø8 x 25.0 mm, 3 VDC	16,00	18,23
RLDC670-2.2-3, 670 nm , typ. 2 mW, focusable, Ø8 x 25 mm, 3 VDC	16,00	18,23
RLDG ULTRA SMALL SIZE series	EUR	USD
 <p>red diode laser module metal housing, fixfocus acrylic lens, integrated APC laser diode driver IC Ø 7.0 mm 650 nm</p>	1-9 pcs.	1-9 pcs.
RLDG650-1-3, 650 nm , 1 mW, APC, 0.8 mrad, fixed focus, Ø7 x 14 mm, 3 VDC, 50 mA	6,50	7,41

APCD 01 ULTRA SMALL SIZE series		EUR	USD
	red diode laser module metal housing, fixfocus acrylic lens, integrated APC laser diode driver IC Ø 4.0 mm 650 nm		
		1-9 pcs.	1-9 pcs.
APCD-650-01-C2, 650 nm , <1 mW, I _{op} <35 mA, fixfocus, Ø4.0 x 9.1 mm, laser class II		7,99	9,11
APCD-650-01-C3, 650 nm , <3 mW, I _{op} <35 mA, fixfocus, Ø4.0 x 9.1 mm		7,99	9,11
APCD 02 ULTRA SMALL SIZE series		EUR	USD
	red diode laser module metal housing, focussable acrylic lens, integrated APC laser diode driver IC Ø 6.2 mm 635, 650 nm		
		1-9 pcs.	1-9 pcs.
APCD-635-02-C2, 635 nm , <1 mW, focusable, Ø6.2 x 11 mm, laser class II		12,90	14,70
APCD-635-02-C3, 635 nm , <3 mW, focusable, Ø6.2 x 11 mm		12,90	14,70
APCD-650-02-C2, 650 nm , <1 mW, focusable, Ø6.2 x 11 mm, laser class II		5,99	6,83
APCD-650-02-C3, 650 nm , <3 mW, focusable, Ø6.2 x 11 mm		5,99	6,83
APCD 06 ULTRA SMALL SIZE series		EUR	USD
	red diode laser module acryl housing with embedded lens integrated APC laser diode driver IC Ø 6.5 mm 650 nm		
		1-9 pcs.	1-9 pcs.
APCD-650-06-C2, 650 nm , <1 mW, I _{op} <35 mA, fixfocus, Ø6.5 x 9.0 mm, laser class II		6,10	6,95
APCD-650-06-C3, 650 nm , <3 mW, I _{op} <35 mA, fixfocus, Ø6.5 x 9.0 mm		6,10	6,95
APCD 07 ULTRA SMALL SIZE series		EUR	USD
	SMALLEST SIZE red diode laser module metal housing, fixfocus acrylic lens, integrated APC laser diode driver IC Ø 3.3 mm 650 nm		
		1-9 pcs.	1-9 pcs.
APCD-650-07-C2, 650 nm , <1 mW, I _{op} <35 mA, fixfocus, Ø3.3 x 8.0 mm, laser class II		8,80	10,03
APCD-650-07-C3, 650 nm , <3 mW, I _{op} <35 mA, fixfocus, Ø3.3 x 8.0 mm		8,80	10,03
QUARTON LASER DIODE MODULES VLM series		EUR	USD
	QUARTON VLMxxx-yy-LPT: <1 mW VLMxxx-yy-LPA: <5 mW 635 - 650 nm		
		1-9 pcs.	1-9 pcs.
VLM650-00, 650 nm , <3 mW, fixfocus, Ø10.52 x 17.20 mm, w/o driver board		25,40	28,94
VLM650-01-LPA, 650 nm , <5 mW, fixfocus, Ø10.4 x 18.5 mm		28,70	32,71
VLM650-02-LPA, 650 nm , <5 mW, fixfocus, Ø10.5 x 17.2 mm		27,20	31,00
VLM650-03-LPT, 650 nm , <1 mW, fixfocus, Ø7.0 x 22.5 mm		23,50	26,78
VLM650-04-LPT, 650 nm , <1 mW, fixfocus, Ø6.55 x 12.10 mm		13,30	15,16
VLM650-06-LPA, 650 nm , <5 mW, fixfocus, Ø12.5 x 53.0 mm		60,00	68,37
VLM650-07-LPA, 650 nm , <5 mW, fixfocus, Ø12.5 x 53.0 mm		61,00	69,51
VLM650-08-LPA, 650 nm , <5 mW, fixfocus, Ø10.51 x 24.6 mm		17,50	19,94
VLM650-09-LPA, 650 nm , <5 mW, fixfocus, Ø10.51 x 31.0 mm		17,50	19,94
VLM650-11-LPT, 650 nm , <1 mW, fixfocus, Ø10.52 x 30.00 mm		26,30	29,97
VLM650-11-LPA, 650 nm , <5 mW, fixfocus, Ø10.52 x 30.00 mm		26,30	29,97
VLM650-14-LPA, 650 nm , <5 mW, fixfocus, Ø12.00 x 43.0 mm		43,75	49,86
VLM650-15-LPA, 650 nm , <5 mW, fixfocus, Ø12.00 x 30.0 mm		43,75	49,86


VLM650-16-LPT, 650 nm , <1 mW, fixfocus, Ø8.50 x 24.5 mm	27,00	30,77
VLM650-16-LPA, 650 nm , <5 mW, fixfocus, Ø8.50 x 24.5 mm	27,00	30,77
VLM650-17-LPT, 650 nm , <1 mW, fixfocus, Ø12.00 x 30.0 mm	28,80	32,82
VLM650-17-LPA, 650 nm , <5 mW, fixfocus, Ø12.00 x 30.0 mm	28,80	32,82
MICRO LASER DIODE MODULES LDM-1x series	EUR	USD
 <p>Micro laser diode module series - PCB mountable - focussable (100µm spotsize) - divergence < 1 mrad 670 nm</p>	1-9 pcs.	1-9 pcs.
LDM-1A, 670 nm , <1 mW, FDA, 13 x 13 x 10 mm ³ , 3-6 VDC	162,00	184,61
RLD HIGH POWER series	EUR	USD
 <p>RLDxxxx red diode module series - single mode, focussable glass lens - up to 70mW 635 - 660 nm</p>	1-9 pcs.	1-9 pcs.
RLDE635-10-3, 635 nm , 10 mW, sm, Ø14 x 45 mm, focusable, 3 VDC	53,00	60,40
RLDG650-13-3, 655 nm , 13 mW, sm, Ø14 x 45 mm, focusable, 3 VDC	26,00	29,63
RLDH650-24-3, 655 nm , 24 mW, sm, Ø14 x 45 mm, focusable, 3 VDC	76,00	86,61
RLDH660-40-3, 660 nm , 40 mW, sm, Ø16 x 50 mm, focusable, 3 VDC	136,00	154,98
RLDH660-70-3, 660 nm , 70 mW, sm, Ø22 x 65 mm, focusable, 3 VDC	142,00	161,82
RLDH LASER DIODE MODULES, M SERIES, CW+ MODULABLE	EUR	USD
 <p>RLDH red diode module, M series - single mode - focussable glass lens - modulation up to 500 kHz TTL - up to 40mW 635 - 650 nm</p>	1-9 pcs.	1-9 pcs.
RLDH635M-4-5, 635 nm , 4 mW, APC, TTL <500 kHz, focusable, Ø12 x 34 mm, 5 VDC	31,00	35,33
RLDH650M-4-5, 650 nm , 4 mW, APC, TTL <500 kHz, focusable, Ø12 x 34 mm, 5 VDC	26,50	30,20
RLDH650M-24-5, 650 nm , 24 mW, ACC, TTL <200 kHz, focusable, Ø14 x 45 mm, 5 VDC	75,00	85,47
RLDH650M-40-5, 650 nm , 40 mW, ACC, TTL <50 kHz, focusable, Ø16 x 50 mm, 5 VDC	118,00	134,47
LASER MODULES - RED BEAM EXPANDER		
RLE Beam Expander series	EUR	USD
 <p>expanded beam laser diode module series for extreme target distances 635, 650 nm</p>	1-9 pcs.	1-9 pcs.
RLE635-1-3-8, 635 nm , 1 mW, Ø8 mm beam aperture, sm, 3 VDC, round beam	76,00	86,61
RLE635-2-3-8, 635 nm , 2 mW, Ø8 mm beam aperture, sm, 3 VDC, round beam	93,00	105,98
RLE635-2-3-20, 635 nm , 2 mW, Ø20 mm beam aperture, sm, 3 VDC, round beam	112,00	127,63
RLE650-1-3-8, 650 nm , 1 mW, Ø8 mm beam aperture, sm, 3 VDC, square beam	64,00	72,93
RLE650-8-3-20, 650 nm , 8 mW, Ø20 mm beam aperture, sm, 3 VDC, square beam	134,00	152,70
RLE650-8-5-30, 650 nm , 8 mW, Ø30 mm beam aperture, sm, 5 VDC, square beam	169,00	192,59
LASER MODULES - RED LINE		
LM series	EUR	USD

 <p>low cost, red line laser module, for general purpose. Input voltage 3-5 VDC , Po <1 mW, 60° acrylic line generating lens, 9 x 30 mm Laser class II</p>		
LM-101-A102, 650 nm , <1 mW, line , Laser Class II, Ø9 x 30 mm, 3-5 VDC	1-99 pcs. 8,48	1-99 pcs. 9,66


LASER MODULES - RED 360° LINE

TN360 series	EUR	USD
 <p>High power 360° line laser module Compact size laser module with 360° line projection through a polished cone mirror. Working distance. 5m</p>	1-9 pcs.	1-9 pcs.
TN360-64100, 638 nm , 100 mW, 360° line, Ø13(20) x 27 mm, 3-5 VDC	35,40	40,34
RLL series	EUR	USD
 <p>high power line laser module uses cylindrical glass lens</p>	1-9 pcs.	1-9 pcs.
RLLI635-2.5-3, 635 nm , 2.5 mW, typ. 100° line, Ø8 x 25.5 mm, 3 VDC	28,00	31,91
RLLH635-4-3, 635 nm , 4 mW, typ. 100° line, Ø12 x 32 mm, 3 VDC	40,00	45,58
RLLH650-16-3, 650 nm , 16 mW, typ. 100° line, Ø14 x 45 mm, 3 VDC	83,00	94,58
RLLH650-24-3, 650 nm , 24 mW, typ. 100° line, Ø14 x 49 mm, 3 VDC	146,00	166,38

LASER MODULES - RED CROSS LINE






RLCB series	EUR	USD
 <p>cross line laser module uses two 90° twisted cylindrical glass lenses APC (automatic power control)</p>	1-9 pcs.	1-9 pcs.
RLCB635-2.5-3, 635 nm , 2.5 mW, cross line, fixed focus, Ø16 x 45 mm, 3 VDC	40,00	45,58
RLCB635-5-5, 635 nm , 5 mW, cross line, fixed focus, Ø16 x 45 mm, 5 VDC	49,00	55,84

LASER MODULES - IR



APCD 01 ULTRA SMALL SIZE series	EUR	USD
 <p>red diode laser module metal housing, fixfocus acrylic lens integrated APC laser diode driver IC Ø 4.0 mm 780, 850 nm</p>	1-9 pcs.	1-9 pcs.
APCD-780-01-C2, 780 nm , <1 mW, Iop <35 mA, fixfocus, Ø4.0 x 9.1 mm	17,50	19,94
APCD-780-01-C3, 780 nm , <3 mW, Iop <35 mA, fixfocus, Ø4.0 x 9.1 mm	17,50	19,94
APCD-850-01-C2, 850 nm , <1 mW, Iop <40 mA, fixfocus, Ø4.0 x 9.1 mm	39,90	45,47
APCD-850-01-C3, 850 nm , <3 mW, Iop <40 mA, fixfocus, Ø4.0 x 9.1 mm	39,90	45,47
APCD 06 ULTRA SMALL SIZE series	EUR	USD

 <p>red diode laser module acryl housing with embedded lens integrated APC laser diode driver IC Ø 6.5 mm 780, 850 nm</p>		
	1-9 pcs.	1-9 pcs.
APCD-780-06-C2, 780 nm , <1 mW, I _{op} <35 mA, fixfocus, Ø6.5 x 9.0 mm	15,00	17,09
APCD-780-06-C3, 780 nm , <3 mW, I _{op} <35 mA, fixfocus, Ø6.5 x 9.0 mm	15,00	17,09
APCD-850-06-C2, 850 nm , <1 mW, I _{op} <40 mA, fixfocus, Ø6.5 x 9.0 mm	29,90	34,07
APCD-850-06-C3, 850 nm , <3 mW, I _{op} <40 mA, fixfocus, Ø6.5 x 9.0 mm	29,90	34,07
APCD 01 ULTRA SMALL SIZE series	EUR	USD
 <p>SMALLEST SIZE red diode laser module metal housing, fixfocus acrylic lens integrated APC laser diode driver IC Ø 3.3 mm 780, 850 nm</p>		
	1-9 pcs.	1-9 pcs.
APCD-780-07-C2, 780 nm , <1 mW, I _{op} <35 mA, fixfocus, Ø3.3 x 8.0 mm	17,50	19,94
APCD-780-07-C3, 780 nm , <3 mW, I _{op} <35 mA, fixfocus, Ø3.3 x 8.0 mm	17,50	19,94
APCD-850-07-C2, 850 nm , <1 mW, I _{op} <40 mA, fixfocus, Ø3.3 x 8.0 mm	44,90	51,17
APCD-850-07-C3, 850 nm , <3 mW, I _{op} <40 mA, fixfocus, Ø3.3 x 8.0 mm	44,90	51,17
LJ Series	EUR	USD
 <p>LJ series laser diode module complete and ready to use, focusable single element aspheric acrylic collimator optic, diverse wavelenths available 780, 808, 850 nm</p>		
	1-9 pcs.	1-9 pcs.
LDM780/3LJ, 780 nm , 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm	19,20	21,88
LDM808/3LJ, 808 nm , 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm	26,70	30,43
LDM850/3LJ, 850 nm , 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm	38,71	44,11
LT series	EUR	USD
 <p>LT series laser diode module, diverse wavelenths available, complete and ready to use, focusable 3- lens glass collimator, excellent beam quality 850, 980 nm</p>		
	1-9 pcs.	1-9 pcs.
LDM850/5LT, 850 nm , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm	39,90	45,47
LDM980/25LT, 980 nm , 25 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm	53,10	60,51
LDM series	EUR	USD
 <p>LDM780-03-11x30 low cost infrared laser diode module for general purpose 780 nm</p>		
	1-99 pcs.	1-99 pcs.
LDM780-03-11x20, 780 nm , 3 mW, Ø11 x 20 mm, 3.0 VDC	7,95	9,06
LM series	EUR	USD
 <p>low cost, infrared laser diode module, focusable, output power typ. < 3 mW up to < 26 mW 830, 880, 980 nm</p>		
	1-99 pcs.	1-99 pcs.
LM-102-H002, 830 nm , <3 mW, focusable, Ø9.8 x 26 mm, 3.0 VDC	14,20	16,18
LM-104-E002, 880 nm , <3 mW, focusable, Ø9.8 x 26 mm, 3.0 VDC	18,40	20,97
LM-104-E130, 880 nm , <6 mW, focusable, Ø9.8 x 26 mm, 3.0 VDC	19,90	22,68

LM-106-G130, 980 nm , <26 mW, focusable, Ø9.8 x 26 mm, 3.0 VDC	19,90	22,68
RLDC MICRO series	EUR	USD
 <p>very small size 8 x 27.5 mm - focusable glass collimator - power supply 3 VDC</p> <p>850 nm</p>	1-9 pcs.	1-9 pcs.
RLDC850-2-3, 850 nm , typ. 2 mW, focusable, Ø8 x 27.5 mm, 3 VDC	30,00	34,19
RLD series	EUR	USD
 <p>infrared laser diode module series focussable glass lens - up to 4000 mW</p> <p>780, 808, 830, 850, 980</p>	1-9 pcs.	1-9 pcs.
RLDC780-2-3, 780 nm , 2-3 mW, single mode, focusable glass optic, Ø14 x 43 mm, 3 VDC	24,00	27,35
RLDB780-30-3, 780 nm , 30 mW, focusable glass optic, Ø16 x 48 mm, 3 VDC	63,00	71,79
RLDB808-7-3-FA, 808 nm , 7 mW, fixfocus, divergence 0.28 mrad, Ø14 x 45 mm, 3 VDC	n.a.	n.a.
RLDB808-120-3, 808 nm , 120 mW, focusable, Ø22 x 65 mm, 3 VDC	35,00	39,88
RLDH808-120-3, 808 nm , 120 mW, focusable, Ø22 x 65 mm, 3 VDC	39,00	44,44
RLDB808-150-3, 808 nm , 150 mW, focusable, Ø22 x 65 mm, 3 VDC	68,00	77,49
RLDB808-200-3, 808 nm , 200 mW, focusable, Ø22 x 65 mm, 3 VDC	72,00	82,05
RLDB808-300-3, 808 nm , 300 mW, focusable, Ø22 x 65 mm, 3 VDC	78,00	88,89
RLDB808-350-3, 808 nm , 350 mW, focusable, Ø22 x 65 mm, 3 VDC	82,00	93,44
RLDB808-500-5, 808 nm , 500 mW, focusable, Ø45 x 120 mm, 5 VDC	88,00	100,28
RLDH808-1200-5, 808 nm , 1.2 W, focusable, Ø45 x 100 mm, 5 VDC, 444 g	277,40	316,11
RLDH808-4000-5, 808 nm , 4.0 W, focusable, 60 x 110 mm, 5 VDC, 1.200 g	990,00	1.128,16
RLDH830-3-3, 830 nm , 3 mW, focusable, ARC glass collimator, Ø12 x 34.5 mm, 3 VDC	22,00	25,07
RLDH830-30-3, 830 nm , 30 mW, focusable, ARC glass collimator, Ø14 x 43 mm, 3 VDC	35,00	39,88
RLDH830-120-3, 830 nm , 120 mW, focusable, ARC glass collimator, Ø22 x 65 mm, 3 VDC	96,80	110,31
DT850-30-3, 850 nm , 30 mW, focusable, Ø12 x 34.5 mm, 3 VDC	78,00	88,89
RLDH850-40-3, 850 nm , 40 mW, APC, focusable, Ø22 x 65 mm, 3 VDC	96,00	109,40
RLDH980-70-3, 980 nm , 70 mW, focusable, Ø22 x 65 mm, 3 VDC	58,00	66,09
RLDB980-120-3, 980 nm , 120 mW, focusable, Ø22 x 65 mm, 3 VDC	62,00	70,65
RLDH980-120-3, 980 nm , 120 mW, focusable, Ø22 x 65 mm, 3 VDC	62,00	70,65
RLDH980-160-3, 980 nm , 160 mW, focusable, Ø22 x 65 mm, 3 VDC	66,00	75,21
RLDH980-200-3, 980 nm , 200 mW, focusable, Ø22 x 65 mm, 3 VDC	68,00	77,49
RLDH LASER DIODE MODULES, M SERIES, CW+ MODULABLE	EUR	USD
 <p>RLDH infrared diode module, M series - focussable glass lens - modulation up to 10 kHz TTL - up to 350 mW</p> <p>808 - 850 nm</p>	1-9 pcs.	1-9 pcs.
RLDH808M-120-5, 808 nm , 120 mW, APC, TTL <5 kHz, focusable, Ø22 x 65 mm, 5 VDC	48,00	54,70
RLDH808M-350-5, 808 nm , 350 mW, APC, TTL <5 kHz, focusable, Ø22 x 65 mm, 5 VDC	74,00	84,33
RLDH850M-40-5, 850 nm , 40 mW, APC, TTL <10 kHz, focusable, Ø22 x 65 mm, 5 VDC	108,00	123,07
C2021 series	EUR	USD
 <p>infrared laser diode module series for general purposes</p> <p>980 nm</p>	1-9 pcs.	1-9 pcs.
C2021-B1, 980 nm , 10..20 mW, focusable, Ø10.5 x 20 mm, 3 VDC	54,54	62,15
C2021-C1, 980 nm , 20..35 mW, focusable, Ø10.5 x 20 mm, 3 VDC	66,66	75,96
C2021-E1, 980 nm , 90..120 mW, focusable, Ø14 x 43 mm, 3 VDC	129,28	147,32


CW1064 DPSS series		EUR	USD
	<p>low cost, high quality small size solid state cw laser modules --> heat sink available --> power supply available</p> <p>1064 nm</p>		
		1-3 pcs.	1-3 pcs.
CW 1064-01, 1064 nm , <1 mW, APC, 0.8 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC		124,90	142,33
CW 1064-05, 1064 nm , <5 mW, APC, 0.8 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC		124,90	142,33
CW1083 DPSS series		EUR	USD
	<p>low cost, high quality small size solid state cw laser modules --> heat sink available --> power supply available</p> <p>1083 nm</p>		
		1-3 pcs.	1-3 pcs.
CW 1083-01, 1083 nm , <1 mW, APC, 0.8 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC		124,90	142,33
CW 1083-05, 1083 nm , <5 mW, APC, 0.8 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC		124,90	142,33
PIL-VI DPSS series		EUR	USD
	<p>solid state cw infrared lasemodules, 5VDC separate driver unit cooling necessary! --> heat sink available</p> <p>1064 nm</p>		
		1-3 pcs.	1-3 pcs.
PIL-VI-1064-1, DPSS, 1064 nm , 1 mW, cw, 5 VDC, Ø12 x 40mm		271,43	309,31
PIL-VI-1064-3, DPSS, 1064 nm , 3 mW, cw, 5 VDC, Ø12 x 40mm		314,29	358,15
PIL-VI-1064-5, DPSS, 1064 nm , 5 mW, cw, 5 VDC, Ø12 x 40mm		314,29	358,15
PIL-VI-1064-10, DPSS, 1064 nm , 10 mW, cw, 5 VDC, Ø12 x 40mm		342,86	390,71
PIL-VI-1064-20, DPSS, 1064 nm , 20 mW, cw, 5 VDC, Ø12 x 40mm		371,43	423,27
PIL-VI-1064-50, DPSS, 1064 nm , 50 mW, cw, 5 VDC, Ø12 x 40mm		428,57	488,38
PIL-VI-1064-100, DPSS, 1064 nm , 100 mW, cw, 5 VDC, Ø12 x 40mm		471,43	537,22
PIL-VI-1064-200, DPSS, 1064 nm , 200 mW, cw, 5 VDC, Ø12 x 40mm		523,81	596,91
PIL-VI-1064-300, DPSS, 1064 nm , 300 mW, cw, 5 VDC, Ø12 x 40mm		714,29	813,97
PIL-VI-1064-400, DPSS, 1064 nm , 400 mW, cw, 5 VDC, Ø12 x 40mm		799,52	911,11
LASER MODULES - IR LINE			
RLLH series, LINE LASER MODULE		EUR	USD
	<p>Infrared line laser modules - APC (automatic power control) - 90° line, cylinder lens - up to 350 mW</p> <p>808 - 830 nm</p>		
		1-9 pcs.	1-9 pcs.
RLLH808-350-3, 808 nm , 350 mW, APC, line, fixed focus, Ø22 x 70 mm, 3 VDC		76,00	86,61
RLLH830-30-3, 830 nm , 30 mW, APC, line, fixed focus, Ø14 x 45 mm, 3 VDC		79,00	90,03
LASER MODULES - PC CONTROLLED			
RLLM series, PC CONTROLLED LASER MODULE, USB CONNECTOR		EUR	USD
	<p>PC controlled laser modules, USB 2.0, incl. software - CW mode and modulation (up to 50 kHz) - power stability <5%, noise <0.5% - optional: detachable line generator (10 up to 90 °)</p> <p>405 - 845 nm</p>		
		1-9 pcs.	1-9 pcs.
RLLM-405PC-1, 405 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm		465,00	529,90
RLLM-405PC-5, 405 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm		495,25	564,37

RLLM-405PC-10, 405 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	521,73	594,54
RLLM-405PC-30, 405 nm , 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	580,70	661,75
RLLM-405PC-50, 405 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	794,10
RLLM-405PC-100, 405 nm , 100 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	929,13	1.058,80
RLLM-445PC-1, 445 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	465,00	529,90
RLLM-445PC-5, 445 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	495,25	564,37
RLLM-445PC-10, 445 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	521,73	594,54
RLLM-445PC-30, 445 nm , 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	580,70	661,75
RLLM-445PC-50, 445 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	794,10
RLLM-445PC-80, 445 nm , 80 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	812,99	926,45
RLLM-447PC-1, 447 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	465,00	529,90
RLLM-447PC-5, 447 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	495,25	564,37
RLLM-447PC-10, 447 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	521,73	594,54
RLLM-447PC-30, 447 nm , 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	580,70	661,75
RLLM-447PC-50, 447 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	794,10
RLLM-447PC-80, 447 nm , 80 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	812,99	926,45
RLLM-450PC-1, 450 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	465,00	529,90
RLLM-450PC-5, 450 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	495,25	564,37
RLLM-450PC-10, 450 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	521,73	594,54
RLLM-450PC-30, 450 nm , 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	580,70	661,75
RLLM-450PC-50, 450 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	794,10
RLLM-450PC-80, 450 nm , 80 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	812,99	926,45
RLLM-520PC-1, 520 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	580,70	661,75
RLLM-520PC-5, 520 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	621,45	708,18
RLLM-520PC-10, 520 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	694,55	791,48
RLLM-520PC-20, 520 nm , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	812,99	926,45
RLLM-520PC-50, 520 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	1.045,27	1.191,14
RLLM-635PC-1, 635 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	348,42	397,05
RLLM-635PC-5, 635 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	382,20	435,54
RLLM-635PC-10, 635 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	412,15	469,67
RLLM-635PC-20, 635 nm , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	464,56	529,40
RLLM-635PC-50, 635 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	794,10
RLLM-637PC-1, 637 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	348,42	397,05
RLLM-637PC-5, 637 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	382,20	435,54
RLLM-637PC-10, 637 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	412,15	469,67
RLLM-637PC-20, 637 nm , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	464,56	529,40
RLLM-637PC-50, 637 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	794,10
RLLM-640PC-1, 640 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	348,42	397,05
RLLM-640PC-5, 640 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	382,20	435,54
RLLM-640PC-10, 640 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	412,15	469,67
RLLM-640PC-20, 640 nm , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	464,56	529,40
RLLM-640PC-50, 640 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	794,10
RLLM-685PC-1, 685 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	929,13	1.058,80
RLLM-685PC-5, 685 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	954,28	1.087,46
RLLM-685PC-10, 685 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	990,00	1.128,16
RLLM-685PC-20, 685 nm , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	1.161,41	1.323,49
RLLM-685PC-50, 685 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	1.509,83	1.720,54
RLLM-845PC-1, 845 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	794,10
RLLM-845PC-5, 845 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	723,92	824,95
RLLM-845PC-10, 845 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	786,12	895,83
RLLM-845PC-20, 845 nm , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	812,99	926,45
RLLM-845PC-50, 845 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	1.045,27	1.191,14
OPTION: RLLM-PL , detachable Powell Lens, available with 10, 15, 30, 45, 50, 60, 75 and 90°	89,00	101,42
POWER SUPPLIES FOR LASER MODULES		
LPS series	EUR	USD



	<p>100-240 VAC universal power supplies for 3 VDC and 5 VDC laser modules with 0.5 m supply line</p> <ul style="list-style-type: none"> - CE marking - AC Europlug (CEE 7/16) - IEC 60130-10 Type A connector 		
LPS31C, Laser Power Supply , Input: 100-240 VAC, Output: 3.0 VDC, max 1A, 30x80x75 mm		19,90	22,68
LPS51C, Laser Power Supply , Input: 100-240 VAC, Output: 5.0 VDC, max 1A, 30x80x75 mm		19,90	22,68
	<p>110-230 VAC universal power supplies for 3 VDC and 5 VDC laser modules with 1 m supply line and ON / OFF switch</p> <ul style="list-style-type: none"> - Small ripple (<80 mV) - AC Europlug (CEE 7/16) - IEC 60130-10 Type A connector 		
LPS31, Laser Power Supply , Input: 110-230 VAC, Output: 3.0 VDC, max 1A, 33x62x105 mm		29,90	34,07
LPS51, Laser Power Supply , Input: 110-230 VAC, Output: 5.0 VDC, max 1A, 33x62x105 mm		29,90	34,07

LASER SYSTEMS - UV



UV DPSS LASERS, RLTUVL-261 series		EUR	USD
	<p>80-250 VAC power supply included cw operation options: - fibercoupling, adjustable power - 5% power stability</p>		
		1-3 pcs.	1-3 pcs.
RLTUVL-261-1-10, 261 nm , 1 mW cw, <10% stability, PSU-FDA		10.772,00	12.275,34
RLTUVL-261-3-10, 261 nm , 2 mW cw, <10% stability, PSU-FDA		12.567,00	14.320,85
RLTUVL-261-5-10, 261 nm , 5 mW cw, <10% stability, PSU-FDA		15.155,00	17.270,03
RLTUVL-261-10-10, 261 nm , 10 mW cw, <10% stability, PSU-FDA		18.522,00	21.106,93
UV DPSS PASSIVELY Q-SWITCHED LASERS, RLTMPL-266 series		EUR	USD
	<p>Passively Q-switched Laser uncontrollable rep. rate 5-7kHz (unstable) options: - controllable rep. rate 1-4 kHz - 3% and 2% power stability</p> <p>266 nm passively Q-switched</p>		
		1-3 pcs.	1-3 pcs.
RLTMPL-266-5-5, 266 nm , 5 mW / 1 µJ, ~10 ns pulse, PSU-FDA		8.079,00	9.206,51
RLTMPL-266-10-5, 266 nm , 10 mW / 2 µJ, ~10 ns pulse, PSU-FDA		11.670,00	13.298,67
RLTMPL-266-30-5, 266 nm , 30 mW / 3 µJ, ~10 ns pulse, PSU-FDA		12.567,00	14.320,85
RLTMPL-266-50-5, 266 nm , 50 mW / 5 µJ, ~10 ns pulse, PSU-FDA		14.362,00	16.366,36
RLTMPL-266-100-5, 266 nm , 100 mW / 10 µJ, ~10 ns pulse, PSU-FDA		16.838,00	19.187,91
RLTMPL-266-200-5, 266 nm , 200 mW / 10 µJ, ~10 ns pulse, PSU-FDA		20.206,00	23.025,95
RLTMPL-266-400-5, 266 nm , 400 mW / 20 µJ, ~10 ns pulse, PSU-FDA		23.573,00	26.862,85
RLTMPL-266-600-5, 266 nm , 600 mW / 30 µJ, ~10 ns pulse, PSU-FDA		30.309,00	34.538,92
UV DPSS AOM Q-SWITCHED PULSED LASERS, RLTAOL-266 series		EUR	USD
	<p>AOM (Acusto-Optic Modulation) Q-switched Laser 1 - 50 kHz, adjustable Option: 5% power stability 80-250 VAC power supply included</p> <p>266 nm AOM Q-switched</p>		
		1-3 pcs.	1-3 pcs.
RLTAOL-266-10-10, 266 nm , 10 mW @ 10 kHz, 3 µJ, 10-15 ns pulse, <10% stability, PSU-FDA		10.771,00	12.274,20
RLTAOL-266-30-10, 266 nm , 30 mW @ 10 kHz, 3 µJ, 10-15 ns pulse, <10% stability, PSU-FDA		14.362,00	16.366,36
RLTAOL-266-50-10, 266 nm , 50 mW @ 10 kHz, 5 µJ, 10-15 ns pulse, <10% stability, PSU-FDA		16.838,00	19.187,91
RLTAOL-266-100-10, 266 nm , 100 mW @ 10 kHz, 10 µJ, 10-15 ns pulse, <10% stability, PSU-FDA		20.206,00	23.025,95
RLTAOL-266-200-10, 266 nm , 200 mW @ 10 kHz, 20 µJ, 10-15 ns pulse, <10% stability, PSU-FDA		23.573,00	26.862,85


UV DPSS LASERS, RLTUVL-303 series		EUR	USD
	<p>80-250 VAC power supply included cw operation, $M^2 < 2.0$, divergence < 1.5 mrad available options: fibercoupling, adjustable power</p> <p>303nm</p>		
		1-3 pcs.	1-3 pcs.
RLTUVL-303-1-10, 303 nm , 1 mW cw, $< 10\%$ stability, PSU-FDA		9.874,00	11.252,02
RLTUVL-303-3-10, 303 nm , 3 mW cw, $< 10\%$ stability, PSU-FDA		11.669,00	13.297,53
RLTUVL-303-5-10, 303 nm , 5 mW cw, $< 10\%$ stability, PSU-FDA		13.464,00	15.343,04
RLTUVL-303-10-10, 303 nm , 10 mW cw, $< 10\%$ stability, PSU-FDA		15.154,00	17.268,89
RLTUVL-303-15-10, 303 nm , 15 mW cw, $< 10\%$ stability, PSU-FDA		18.522,00	21.106,93
RLTUVL-303-20-10, 303 nm , 20 mW cw, $< 10\%$ stability, PSU-FDA		21.890,00	24.944,97
UV DPSS LASERS, RLTUVL-320 series		EUR	USD
	<p>80-250 VAC power supply included cw operation, $M^2 < 2.0$, divergence < 1.5 mrad available options: fibercoupling, adjustable power</p> <p>320nm</p>		
		1-3 pcs.	1-3 pcs.
RLTUVL-320-3-10, 320 nm , 3 mW cw, $< 10\%$ stability, laser head 209x88x74 mm, PSU-FDA		8.079,00	9.206,51
RLTUVL-320-5-10, 320 nm , 5 mW cw, $< 10\%$ stability, laser head 209x88x74 mm, PSU-FDA		9.874,00	11.252,02
RLTUVL-320-10-10, 320 nm , 10 mW cw, $< 10\%$ stability, laser head 209x88x74 mm, PSU-FDA		11.669,00	13.297,53
RLTUVL-320-15-10, 320 nm , 15 mW cw, $< 10\%$ stability, laser head 209x88x74 mm, PSU-FDA		14.362,00	16.366,36
RLTUVL-320-20-10, 320 nm , 20 mW cw, $< 10\%$ stability, laser head 209x88x74 mm, PSU-FDA		16.838,00	19.187,91
RLTUVL-320-30-10, 320 nm , 30 mW cw, $< 10\%$ stability, laser head 209x88x74 mm, PSU-FDA		23.573,00	26.862,85
UV DPSS LASERS, RLTUVL-349 series		EUR	USD
	<p>80-250 VAC power supply included cw operation, $M^2 < 2.0$, divergence < 1.0 mrad available options: fibercoupling</p> <p>349nm</p>		
		1-3 pcs.	1-3 pcs.
RLTUVL-349-3-10, 349 nm , 3 mW cw, $< 10\%$ stability, laser head 211x88x74 mm, PSU-FDA		7.676,00	8.747,26
RLTUVL-349-5-10, 349 nm , 5 mW cw, $< 10\%$ stability, laser head 211x88x74 mm, PSU-FDA		8.976,00	10.228,69
RLTUVL-349-10-10, 349 nm , 10 mW cw, $< 10\%$ stability, laser head 211x88x74 mm, PSU-FDA		10.771,00	12.274,20
RLTUVL-349-15-10, 349 nm , 15 mW cw, $< 10\%$ stability, laser head 211x88x74 mm, PSU-FDA		13.464,00	15.343,04
RLTUVL-349-20-10, 349 nm , 20 mW cw, $< 10\%$ stability, laser head 211x88x74 mm, PSU-FDA		15.154,00	17.268,89
RLTUVL-349-30-10, 349 nm , 30 mW cw, $< 10\%$ stability, laser head 211x88x74 mm, PSU-FDA		21.890,00	24.944,97
UV DPSS Q-SWITCHED LASERS, RLTMPL-349 series		EUR	USD
	<p>Passively Q-switched Laser</p> <p>options: - rep. rate 2-3 kHz - 5% power stability</p> <p>349 nm passively Q-switched</p>		
		1-3 pcs.	1-3 pcs.
RLTMPL-349-5-10, 349 nm , 5 mW, 2-3 kHz, ~4ns pulse, $< 10\%$ stability, PSU-FDA		7.676,00	8.747,26
RLTMPL-349-10-10, 349 nm , 10 mW, 2-3 kHz, ~4ns pulse, $< 10\%$ stability, PSU-FDA		8.976,00	10.228,69
RLTMPL-349-20-10, 349 nm , 20 mW, 2-3 kHz, ~4ns pulse, $< 10\%$ stability, PSU-FDA		10.771,00	12.274,20
RLTMPL-349-30-10, 349 nm , 30 mW, 2-3 kHz, ~4ns pulse, $< 10\%$ stability, PSU-FDA		14.362,00	16.366,36
UV DPSS Q-SWITCHED LASERS, RLTMPL-351 series		EUR	USD
	<p>Passively Q-switched Laser</p> <p>options: - rep. rate 2-3 kHz - 5% power stability</p> <p>351 nm passively Q-switched</p>		
		1-3 pcs.	1-3 pcs.






RLTMPL-351-1-10, 351 nm , 1 mW , 2-3 kHz, ~4ns pulse, <10% stability, PSU-FDA	7.676,00	8.747,26
RLTMPL-351-5-10, 351 nm , 5 mW , 2-3 kHz, ~4ns pulse, <10% stability, PSU-FDA	8.976,00	10.228,69
RLTMPL-351-10-10, 351 nm , 10 mW , 2-3 kHz, ~4ns pulse, <10% stability, PSU-FDA	10.771,00	12.274,20
RLTMPL-351-20-10, 351 nm , 20 mW , 2-3 kHz, ~4ns pulse, <10% stability, PSU-FDA	14.362,00	16.366,36
UV DPSS Q-SWITCHED PULSED LASERS, RLTMPL-355 series	EUR	USD
 <p>Passively Q-switched Laser uncontrollable rep. rate 10-15kHz options: - controllable rep. rate 3-5 kHz - 3% power stability</p> <p>355 nm passively Q-switched</p>	1-3 pcs.	1-3 pcs.
RLTMPL-355-10-5, 355 nm , 10 mW / 1 μ J, ~5 ns pulse, <5% stability, PSU-FDA	7.676,00	8.747,26
RLTMPL-355-30-5, 355 nm , 30 mW / 4 μ J, ~5 ns pulse, <5% stability, PSU-FDA	8.976,00	10.228,69
RLTMPL-355-50-5, 355 nm , 50 mW / 5 μ J, ~5 ns pulse, <5% stability, PSU-FDA	10.771,00	12.274,20
RLTMPL-355-100-5, 355 nm , 100 mW / 10 μ J, ~1.3 ns pulse, <5% stability, PSU-FDA	12.567,00	14.320,85
RLTMPL-355-200-5, 355 nm , 200 mW / 15 μ J, ~7 ns pulse, <5% stability, PSU-FDA	12.800,00	14.586,37
RLTMPL-355-300-5, 355 nm , 200 mW / 30 μ J, ~7 ns pulse, <5% stability, PSU-FDA	13.464,00	15.343,04
RLTMPL-355-500-5, 355 nm , 500 mW / 50 μ J, ~7 ns pulse, <5% stability, PSU-FDA	14.312,00	16.309,38
UV DPSS AOM Q-SWITCHED PULSED LASERS, RLTAOL-355 series	EUR	USD
 <p>AOM (Acusto-Optic Modulation) Q-switched Laser 0.1 - 20 kHz, adjustable Option: 3% power stability 80-250 VAC power supply included</p> <p>355 nm AOM Q-switched</p>	1-3 pcs.	1-3 pcs.
RLTAOM-355-10-5, 355 nm , 10 mW @ 1 kHz, 10 μ J, 5-10 ns pulse, <5% stability, PSU-FDA	9.874,00	11.252,02
RLTAOM-355-20-5, 355 nm , 20 mW @ 1 kHz, 30 μ J, 5-10ns pulse, <5% stability, PSU-FDA	11.669,00	13.297,53
RLTAOM-355-40-5, 355 nm , 40 mW @ 1 kHz, 40 μ J, 5-10 ns pulse, <5% stability, PSU-FDA	13.464,00	15.343,04
RLTAOM-355-1W-5, 355 nm , 1 W @ 20 kHz, 50 μ J, ~15 ns pulse, <5% stability, PSU-FDA	14.362,00	16.366,36
RLTAOM-355-2W-5, 355 nm , 2 W @ 20 kHz, 100 μ J, ~15 ns pulse, <5% stability, PSU-FDA	15.154,00	17.268,89
RLTAOM-355-3W-5, 355 nm , 3 W @ 20 kHz, 150 μ J, ~15 ns pulse, <5% stability, PSU-FDA	16.838,00	19.187,91
UV DPSS LASERS, RLTVVL-355 series	EUR	USD
 <p>80-250 VAC power supply included cw operation, $M^2 < 2.0$, divergence <2.0 mrad available options: fibercoupling, adjustable power</p> <p>355 nm</p>	1-3 pcs.	1-3 pcs.
RLTVVL-355-1-10, 355 nm , 1 mW cw, <10% stability, PSU-FDA	6.717,00	7.654,42
RLTVVL-355-5-10, 355 nm , 5 mW cw, <10% stability, PSU-FDA	8.079,00	9.206,51
RLTVVL-355-10-10, 355 nm , 10 mW cw, <10% stability, PSU-FDA	10.771,00	12.274,20
RLTVVL-355-15-10, 355 nm , 15 mW cw, <10% stability, PSU-FDA	13.464,00	15.343,04
UV DPSS LASERS, RLTVVL-360 series	EUR	USD
 <p>80-250 VAC power supply included cw operation, $M^2 < 2.0$, divergence <1.5 mrad options: - <2% and <1% stability - fibercoupling, adjustable power</p> <p>360 nm</p>	1-3 pcs.	1-3 pcs.
RLTVVL-360-10-3, 360 nm , 10 mW cw, stability <3%, PSU-FDA	7.381,00	8.411,09
RLTVVL-360-30-3, 360 nm , 30 mW cw, stability <3%, PSU-FDA	9.667,00	11.016,13
RLTVVL-360-50-3, 360 nm , 50 mW cw, stability <3%, PSU-FDA	11.048,00	12.589,86
RLTVVL-360-100-3, 360 nm , 100 mW cw, stability <3%, PSU-FDA	14.248,00	16.236,45
RLTVVL-360-150-3, 360 nm , 150 mW cw, stability <3%, PSU-FDA	23.962,00	27.306,14
RLTVVL-360-200-3, 360 nm , 200 mW cw, stability <3%, PSU-FDA	30.438,00	34.685,93
UV LASER DIODE MODULES, RLTVVL-375 series	EUR	USD






 <p>80-250 VAC power supply included available options: - 2% and 1% stability - fibercoupling - adjustable power - modulation input</p>		
	1-9 pcs.	1-9 pcs.
	8.976,00	10.228,69
	9.874,00	11.252,02
	10.771,00	12.274,20
	11.669,00	13.297,53
UV LASER DIODE MODULES, RLTUUVL-395 series		
 <p>80-250 VAC power supply included available options: - 2% and 1% stability - fibercoupling - adjustable power - modulation input</p>		
	1-9 pcs.	1-9 pcs.
	4.086,00	4.656,24
	4.798,00	5.467,61
	5.757,00	6.560,45
	6.717,00	7.654,42
UV LASER DIODE MODULES, RLTUUVL-397 series		
 <p>80-250 VAC power supply included available options: - 2% and 1% stability - fibercoupling - adjustable power - modulation input</p>		
	1-9 pcs.	1-9 pcs.
	4.086,00	4.656,24
	4.798,00	5.467,61
	5.757,00	6.560,45
	6.717,00	7.654,42
LASER SYSTEMS - VIOLET		
VIOLET LASER DIODE MODULES, RLTM DL-400 series		
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, fibercoupling, adjustable power, modulation input</p> <p>400 nm</p>		
	1-9 pcs.	1-9 pcs.
	2.914,00	3.320,68
	3.343,00	3.809,55
	4.364,00	4.973,04
	5.757,00	6.560,45
	8.079,00	9.206,51
VIOLET LASER DIODE MODULES, RLTM DL-405 series		
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, fibercoupling, adjustable power, modulation input</p> <p>405 nm</p>		
	1-9 pcs.	1-9 pcs.
	1.238,00	1.410,78
	1.448,00	1.650,08

RLTMDL-405-200-3, 405 nm , 200 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-405-300-3, 405 nm , 300 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMDL-405-500-3, 405 nm , 500 mW cw, stability <3%, PSU-FDA	4.086,00	4.656,24
VIOLET LASER DIODE MODULES, RLTMML-405 series LOW NOISE	EUR	USD
 <p>LOW NOISE 80-250 VAC power supply included available options: 2% 1% and 0.5% stability, fibercoupling, adjustable power, modulation 405 nm LOW NOISE</p>	1-9 pcs.	1-9 pcs.
RLTMML-405-50-3, 405 nm , 50 mW cw, stability <3%, PSU-FDA	1.529,00	1.742,39
RLTMML-405-100-3, 405 nm , 100 mW cw, stability <3%, PSU-FDA	1.882,00	2.144,65
RLTMML-405-200-3, 405 nm , 200 mW cw, stability <3%, PSU-FDA	2.470,00	2.814,71
RLTMML-405-300-3, 405 nm , 300 mW cw, stability <3%, PSU-FDA	3.566,00	4.063,67
RLTMML-405-500-3, 405 nm , 500 mW cw, stability <3%, PSU-FDA	4.990,00	5.686,40
VIOLET LASER DIODE MODULES, RLTMML-410 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, fibercoupling, adjustable power, modulation input 410 nm</p>	1-9 pcs.	1-9 pcs.
RLTMDL-410-50-3, 410 nm , 50 mW cw, stability <3%, PSU-FDA	2.914,00	3.320,68
RLTMDL-410-100-3, 410 nm , 100 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMDL-410-200-3, 410 nm , 200 mW cw, stability <3%, PSU-FDA	3.693,00	4.208,40
RLTMDL-410-300-3, 410 nm , 300 mW cw, stability <3%, PSU-FDA	4.364,00	4.973,04
RLTMDL-410-500-3, 410 nm , 500 mW cw, stability <3%, PSU-FDA	5.388,00	6.139,95
VIOLET LASER DIODE MODULES, RLTMML-415 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, fibercoupling, adjustable power, modulation input 415nm</p>	1-9 pcs.	1-9 pcs.
RLTMDL-415-50-3, 415 nm , 50 mW cw, stability <3%, PSU-FDA	2.914,00	3.320,68
RLTMDL-415-100-3, 415 nm , 100 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMDL-415-200-3, 415 nm , 200 mW cw, stability <3%, PSU-FDA	4.364,00	4.973,04
RLTMDL-415-300-3, 415 nm , 300 mW cw, stability <3%, PSU-FDA	5.757,00	6.560,45
RLTMDL-415-500-3, 415 nm , 300 mW cw, stability <3%, PSU-FDA	8.079,00	9.206,51
LASER SYSTEMS - BLUE		
BLUE LASER DIODE MODULES, RLTMML-442 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, fibercoupling, adjustable power 442 nm</p>	1-9 pcs.	1-9 pcs.
RLTMDL-442-10-3, 442 nm , 10 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-442-30-3, 442 nm , 30 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMDL-442-50-3, 442 nm , 50 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMDL-442-80-3, 442 nm , 80 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
BLUE LASER DIODE MODULES, RLTMML-442 series LOW NOISE	EUR	USD

 <p>LOW NOISE 80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, fibercoupling, adjustable power 442 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTMLL-442-10-3, 442 nm , 10 mW cw, stability <3%, laser head 141x46x73 mm	2.280,00	2.598,20
RLTMLL-442-30-3, 442 nm , 30 mW cw, stability <3%, laser head 141x46x73 mm	2.823,00	3.216,98
RLTMLL-442-50-3, 442 nm , 50 mW cw, stability <3%, laser head 141x46x73 mm	3.291,00	3.750,29
BLUE LASER DIODE MODULES, ULV-445 series	EUR	USD
 <p>low cost / high power -> ready to operate! - stability <3%, - divergence <2mrad - 20 kHz TTL modulation</p>		
	1-9 pcs.	1-9 pcs.
ULV-445-300, 445 ±5 nm , 300 mW cw, stability <3%, TTL, 65x33x33 mm, 12 VDC	198,00	225,63
ULV-445-700, 445 ±5 nm , 700 mW cw, stability <3%, TTL, 65x33x33 mm, 12 VDC	298,00	339,59
BLUE LASER DIODE MODULES, RLTM DL-445 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation 445 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTM DL-445-50-3, 445 nm , 50 mW cw, stability <3%, PSU-FDA	1.047,62	1.193,83
RLTM DL-445-100-3, 445 nm , 100 mW cw, stability <3%, PSU-FDA	1.125,00	1.282,01
RLTM DL-445-500-3, 445 nm , 500 mW cw, stability <3%, PSU-FDA	1.238,00	1.410,78
RLTM DL-445-1W-3, 445 nm , 1 W cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RLTM DL-445-3.5W-3, 445 nm , 3.5 W cw, stability <3%, PSU-FDA	3.343,00	3.809,55
BLUE LASER DIODE MODULES, RLTM DL-447 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation 447 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTM DL-447-50-3, 447 nm , 50 mW cw, stability <3%, PSU-FDA	1.047,62	1.193,83
RLTM DL-447-100-3, 447 nm , 100 mW cw, stability <3%, PSU-FDA	1.125,00	1.282,01
RLTM DL-447-500-3, 447 nm , 500 mW cw, stability <3%, PSU-FDA	1.238,00	1.410,78
RLTM DL-447-1W-3, 447 nm , 1 W cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RLTM DL-447-3.5W-3, 447 nm , 3.5 W cw, stability <3%, PSU-FDA	3.343,00	3.809,55
BLUE LASER DIODE MODULES, RLTM DL-450 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation 450 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTM DL-450-50-3, 450 nm , 50 mW cw, stability <3%, PSU-FDA	1.047,62	1.193,83
RLTM DL-450-100-3, 450 nm , 100 mW cw, stability <3%, PSU-FDA	1.125,00	1.282,01
RLTM DL-450-500-3, 450 nm , 500 mW cw, stability <3%, PSU-FDA	1.238,00	1.410,78
RLTM DL-450-1W-3, 450 nm , 1 W cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RLTM DL-450-3.5W-3, 450 nm , 3.5 W cw, stability <3%, PSU-FDA	3.343,00	3.809,55
BLUE LASER DIODE MODULES, RLTM DL-454 series	EUR	USD

 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation 454 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTMDL-454-50-3, 454 nm , 50 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-454-100-3, 454 nm , 100 mW cw, stability <3%, PSU-FDA	2.205,00	2.512,73
RLTMDL-454-300-3, 454 nm , 300 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMDL-454-500-3, 454 nm , 500 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMDL-454-800-3, 454 nm , 800 mW cw, stability <3%, PSU-FDA	3.693,00	4.208,40
BLUE DPSSL LASERS, RLTMBL-457 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3%, and 2% power stability, low noise, fibercoupling, adjustable power, modulation input 457 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMBL-457-10-5, 457 nm , 10 mW cw, stability <5%, PSU-FDA	2.352,00	2.680,25
RLTMBL-457-50-5, 457 nm , 50 mW cw, stability <5%, PSU-FDA	2.578,00	2.937,79
RLTMBL-457-100-5, 457 nm , 100 mW cw, stability <5%, PSU-FDA	2.823,00	3.216,98
RLTMBL-457-300-5, 457 nm , 300 mW cw, stability <5%, PSU-FDA	3.343,00	3.809,55
RLTMBL-457-500-5, 457 nm , 500 mW cw, stability <5%, PSU-FDA	4.086,00	4.656,24
RLTMBL-457-1W-5, 457 nm , 1000 mW cw, stability <5%, PSU-FDA	6.717,00	7.654,42
RLTMBL-457-2W-5, 457 nm , 2000 mW cw, stability <5%, PSU-FDA	8.079,00	9.206,51
BLUE DPSSL LASERS, RLTMBL-457 HIGH POWER series	EUR	USD
 <p>80-250 VAC power supply included beam profile: TEM 01 available options: stability 3%, fibercoupling, adjustable power, modulation 457 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMBL-457-3W-5, 457 nm , 3 W cw, stability <5%, PSU-FDA	8.976,00	10.228,69
RLTMBL-457-5W-5, 457 nm , 5 W cw, stability <5%, PSU-FDA	14.362,00	16.366,36
RLTMBL-457-10W-5, 457 nm , 10 W cw, stability <5%, PSU-FDA	26.941,00	30.700,89
BLUE DPSSL LASERS, RLTMML-457 series LOW NOISE	EUR	USD
 <p>LOW NOISE (noise of amplitude <3%) 80-250 VAC power supply included available options: 5%,2% and 1% stability, fibercoupling 457 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMML-457-10-3, 457 nm , 10 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMML-457-50-3, 457 nm , 50 mW cw, stability <3%, PSU-FDA	3.405,00	3.880,20
RLTMML-457-100-3, 457 nm , 100 mW cw, stability <3%, PSU-FDA	3.477,00	3.962,25
RLTMML-457-300-3, 457 nm , 300 mW cw, stability <3%, PSU-FDA	3.984,00	4.540,01
RLTMML-457-500-3, 457 nm , 500 mW cw, stability <3%, PSU-FDA	4.990,00	5.686,40
RLTMML-457-1W-3, 457 nm , 1000 mW cw, stability <3%, PSU-FDA	8.168,00	9.307,93
RLTMML-457-2W-3, 457 nm , 2000 mW cw, stability <3%, PSU-FDA	10.502,00	11.967,66
BLUE DPSSL LASERS, RLTMML-457 HIGH POWER series LOW NOISE	EUR	USD
 <p>LOW NOISE (noise of amplitude <3%) 80-250 VAC power supply included available options: 2% stability, fibercoupling 457 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMML-457-3W-3, 457 nm , 3 W cw, stability <3%, PSU-FDA	11.669,00	13.297,53
RLTMML-457-5W-3, 457 nm , 5 W cw, stability <3%, PSU-FDA	17.512,00	19.955,97


RLTMLL-457-10W-3, 457 nm , 10 W cw, stability <3%, PSU-FDA	35.023,00	39.910,81
BLUE LASER DIODE MODULES, RLTMDL-460 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation 460 nm</p>	1-9 pcs.	1-9 pcs.
RLTMDL-460-50-3, 460 nm , 50 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-460-100-3, 460 nm , 100 mW cw, stability <3%, PSU-FDA	2.205,00	2.512,73
RLTMDL-460-300-3, 460 nm , 300 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMDL-460-500-3, 460 nm , 500 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMDL-460-800-3, 460 nm , 800 mW cw, stability <3%, PSU-FDA	3.693,00	4.208,40
BLUE LASER DIODE MODULES, RLTMDL-460L series	EUR	USD
 <p>80-250 VAC power supply included near TEM00 beam profile available options: 2%, 1% and 0.5% stability, fibercoupling, adjustable power, modulation</p>	1-9 pcs.	1-9 pcs.
RLTMDL-460L-30-3, 460 nm , 30 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-460L-50-3, 460 nm , 50 mW cw, stability <3%, PSU-FDA	2.353,00	2.681,38
RLTMDL-460L-80-3, 460 nm , 80 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
BLUE LASER DIODE MODULES, RLTMDL-462 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3%, 1% and 0.5% stability, fibercoupling, adjustable power, modulation input 462 nm</p>	1-9 pcs.	1-9 pcs.
RLTMDL-462-50-3, 462 nm , 50 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-462-100-3, 462 nm , 100 mW cw, stability <3%, PSU-FDA	2.254,00	2.568,57
RLTMDL-462-300-3, 462 nm , 300 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMDL-462-500-3, 462 nm , 500 mW cw, stability <3%, PSU-FDA	3.429,00	3.907,55
RLTMDL-462-1W-3, 462 nm , 1 W cw, stability <3%, PSU-FDA	4.086,00	4.656,24
RLTMDL-462-2W-3, 462 nm , 2 W cw, stability <3%, PSU-FDA	4.871,00	5.550,80
BLUE LASER DIODE MODULES, RLTMDL-465 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, fibercoupling, adjustable power, modulation input 465 nm</p>	1-9 pcs.	1-9 pcs.
RLTMDL-465-50-3, 465 nm , 50 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-465-100-3, 465 nm , 100 mW cw, stability <3%, PSU-FDA	2.254,00	2.568,57
RLTMDL-465-300-3, 465 nm , 300 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMDL-465-500-3, 465 nm , 500 mW cw, stability <3%, PSU-FDA	3.429,00	3.907,55
RLTMDL-465-1W-3, 465 nm , 1 W cw, stability <3%, PSU-FDA	4.086,00	4.656,24
RLTMDL-465-2W-3, 465 nm , 2 W cw, stability <3%, PSU-FDA	4.871,00	5.550,80
BLUE DIODE PUMPED SOLID STATE LASERS, RLTMBSL-473 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% power stability, low noise, fibercoupling, adjustable power, modulation input 473 nm</p>	1-3 pcs.	1-3 pcs.
RLTMBSL-473-50-3, 473 nm , 50 mW cw, stability <3%, PSU-FDA	1.882,00	2.144,65
RLTMBSL-473-100-3, 473 nm , 100 mW cw, stability <3%, PSU-FDA	2.823,00	3.216,98

BLUE DIODE PUMPED SOLID STATE LASERS, RLTMBL-473 series		EUR	USD
 <p>80-250 VAC power supply included beam profile: TEM 01 (nearTEM00 avail.) available options: stability 2%, fibercoupling, adjustable power, modulation 473 nm</p>		1-3 pcs.	1-3 pcs.
RLTMBL-473-200-3, 473 nm , 200 mW cw, stability <3%, PSU-FDA		3.343,00	3.809,55
RLTMBL-473-300-3, 473 nm , 300 mW cw, stability <3%, PSU-FDA		3.677,00	4.190,16
RLTMBL-473-500-3, 473 nm , 500 mW cw, stability <3%, PSU-FDA		5.373,00	6.122,86
BLUE DIODE PUMPED SOLID STATE LASERS, RLTMBL-473 series		EUR	USD
 <p>80-250 VAC power supply included beam profile: TEM 01 available options: stability 2% and 1%, fibercoupling, adjustable power, modulation 473 nm</p>		1-3 pcs.	1-3 pcs.
RLTMBL-473-800-3, 473 nm , 800 mW cw, stability <3%, PSU-FDA		8.079,00	9.206,51
RLTMBL-473-1W-3, 473 nm , 1 W cw, stability <3%, PSU-FDA		9.874,00	11.252,02
RLTMBL-473-1.5W-3, 473 nm , 1.5 W cw, stability <3%, PSU-FDA		11.669,00	13.297,53
RLTMBL-473-2W-3, 473 nm , 2 W cw, stability <3%, PSU-FDA		10.771,00	12.274,20
RLTMBL-473-3W-3, 473 nm , 3 W cw, stability <3%, PSU-FDA		12.567,00	14.320,85
RLTMBL-473-5W-3, 473 nm , 5 W cw, stability <3%, PSU-FDA		15.154,00	17.268,89
BLUE DPSS LASERS, RLTMML-473 series LOW NOISE		EUR	USD
 <p>LOW NOISE (noise of amplitude <1%) 80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, fibercoupling 473 nm</p>		1-3 pcs.	1-3 pcs.
RLTMML-473-30-3, 473 nm , 30 mW cw, stability <3%, PSU-FDA		o.f.	o.f.
RLTMML-473-50-3, 473 nm , 50 mW cw, stability <3%, PSU-FDA		o.f.	o.f.
RLTMML-473-100-3, 473 nm , 100 mW cw, stability <3%, PSU-FDA		o.f.	o.f.
RLTMML-473-300-3, 473 nm , 300 mW cw, stability <3%, PSU-FDA		o.f.	o.f.
RLTMML-473-500-3, 473 nm , 500 mW cw, stability <3%, PSU-FDA		o.f.	o.f.
BLUE SINGLE LONGITUDINAL MODE DPSS LASERS, RLTMML-473 series		EUR	USD
 <p>SINGLE LONGITUDINAL MODE 80-250 VAC power supply included available options: 3%, 1% stability, fibercoupling 473 nm</p>		1-3 pcs.	1-3 pcs.
RLTMML-473-10-3, 473 nm , 10 mW cw, stability <3%, PSU-FDA		5.757,00	6.560,45
RLTMML-473-30-3, 473 nm , 30 mW cw, stability <3%, PSU-FDA		6.219,00	7.086,92
RLTMML-473-50-3, 473 nm , 50 mW cw, stability <3%, PSU-FDA		7.676,00	8.747,26
RLTMML-473-100-3, 473 nm , 100 mW cw, stability <3%, PSU-FDA		8.976,00	10.228,69
BLUE DIODE PUMPED SOLID STATE LASERS, RLTMML-480 series		EUR	USD
 <p>80-250 VAC power supply included available options: fibercoupling, adjustable power 480 nm</p>		1-3 pcs.	1-3 pcs.
RLTMML-480-10-5, 480 nm , 10 mW cw, stability <5%, PSU-FDA		3.343,00	3.809,55
RLTMML-480-20-5, 480 nm , 20 mW cw, stability <5%, PSU-FDA		4.086,00	4.656,24
RLTMML-480-30-5, 480 nm , 30 mW cw, stability <5%, PSU-FDA		4.798,00	5.467,61
RLTMML-480-50-5, 480 nm , 50 mW cw, stability <5%, PSU-FDA		5.757,00	6.560,45
RLTMML-480-100-5, 480 nm , 100 mW cw, stability <5%, PSU-FDA		7.676,00	8.747,26


RLTMBL-480-150-5, 480 nm , 150 mW cw, stability <5%, PSU-FDA	8.976,00	10.228,69
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LASER SYSTEMS - CYAN


CYAN LASER DIODE MODULES, RLTMDL-488 series

	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation</p> <p>488 nm</p>	1-9 pcs.	1-9 pcs.
RLTMDL-488-130-3, 488 nm , 30 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMDL-488-50-3, 488 nm , 50 mW cw, stability <3%, PSU-FDA	3.693,00	4.208,40
RLTMDL-488-100-3, 488 nm , 100 mW cw, stability <3%, PSU-FDA	11.738,00	13.376,16
RLTMDL-488-150-3, 488 nm , 150 mW cw, stability <3%, PSU-FDA	13.533,00	15.421,67

CYAN DPSS LASERS, RLTMBL-491 series


	EUR	USD
 <p>80-250 VAC power supply included available options: fibercoupling, adjustable power</p> <p>491 nm</p>	1-3 pcs.	1-3 pcs.
RLTMBL-491-1-10, 491 nm , 1 mW cw, stability <10%, PSU-FDA	3.343,00	3.809,55
RLTMBL-491-2-10, 491 nm , 2 mW cw, stability <10%, PSU-FDA	4.086,00	4.656,24

CYAN LASER DIODE MODULES, RLTMGL-505 series


	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, fibercoupling, adjustable power</p> <p>505 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-505-10-3, 505 nm , 10 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMGL-505-30-3, 505 nm , 30 mW cw, stability <3%, PSU-FDA	4.798,00	5.467,61
RLTMGL-505-50-3, 505 nm , 50 mW cw, stability <3%, PSU-FDA	12.567,00	14.320,85
RLTMGL-505-80-3, 505 nm , 80 mW cw, stability <3%, PSU-FDA	14.312,00	16.309,38

LASER SYSTEMS - GREEN

GREEN LASER DIODE MODULES, RLTMDL-510 series

	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation</p> <p>510 nm</p>	1-9 pcs.	1-9 pcs.
RLTMDL-510-10-3, 510 nm , 10 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-510-20-3, 510 nm , 20 mW cw, stability <3%, PSU-FDA	2.050,00	2.336,10
RLTMDL-510-30-3, 510 nm , 30 mW cw, stability <3%, PSU-FDA	2.171,00	2.473,98

GREEN LASER DIODE MODULES, RLTMDL-514 series

	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation</p> <p>514.5 nm</p>	1-9 pcs.	1-9 pcs.
RLTMDL-514-10-3, 514.5 nm , 10 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-514-30-3, 514.5 nm , 30 mW cw, stability <3%, PSU-FDA	2.050,00	2.336,10
RLTMDL-514-50-3, 514.5 nm , 50 mW cw, stability <3%, PSU-FDA	2.171,00	2.473,98

GREEN DPSS LASERS, RLTMGL-515 series


	EUR	USD

 <p>80-250 VAC power supply included available options: fibercoupling, adjustable power</p> <p>515 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMGL-515-10-10, 515 nm , 10 mW cw, stability <10%, PSU-FDA	2.352,00	2.680,25
RLTMGL-515-30-10, 515 nm , 30 mW cw, stability <10%, PSU-FDA	3.343,00	3.809,55
RLTMGL-515-50-10, 515 nm , 50 mW cw, stability <10%, PSU-FDA	4.086,00	4.656,24
RLTMGL-515-100-10, 515 nm , 100 mW cw, stability <10%, PSU-FDA	5.757,00	6.560,45
GREEN DPSS LASERS, RLTMGL-N-515 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% stability, fibercoupling, adjustable power, modulation</p> <p>515 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMGL-515-150-5, 515 nm , 150 mW cw, stability <5%, PSU-FDA	8.079,00	9.206,51
RLTMGL-515-200-5, 515 nm , 200 mW cw, stability <5%, PSU-FDA	9.874,00	11.252,02
RLTMGL-515-300-5, 515 nm , 300 mW cw, stability <5%, PSU-FDA	1.169,00	1.332,15
RLTMGL-515-400-5, 515 nm , 400 mW cw, stability <5%, PSU-FDA	13.464,00	15.343,04
RLTMGL-515-500-5, 515 nm , 500 mW cw, stability <5%, PSU-FDA	14.312,00	16.309,38
GREEN LASER DIODE MODULES, RLTMGL-520 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation</p> <p>520 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTMGL-520-100-3, 520 nm , 100 mW cw, stability <3%, PSU-FDA	1.238,00	1.410,78
RLTMGL-520-300-3, 520 nm , 300 mW cw, stability <3%, PSU-FDA	1.320,00	1.504,22
RLTMGL-520-500-3, 520 nm , 500 mW cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMGL-520-1W-3, 520 nm , 1 W cw, stability <3%, PSU-FDA	1.900,00	2.165,16
GREEN DPSS LASERS, RLTMGL-522 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% power stability, low noise, fibercoupling, adjustable power, single mode, Q-switched</p> <p>522 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMGL-522-10-5, 522 nm , 10 mW cw, stability <5%, PSU-FDA	2.823,00	3.216,98
RLTMGL-522-30-5, 522 nm , 30 mW cw, stability <5%, PSU-FDA	3.343,00	3.809,55
RLTMGL-522-50-5, 522 nm , 50 mW cw, stability <5%, PSU-FDA	4.086,00	4.656,24
RLTMGL-522-80-5, 522 nm , 80 mW cw, stability <5%, PSU-FDA	4.798,00	5.467,61
RLTMGL-522-100-5, 522 nm , 100 mW cw, stability <5%, PSU-FDA	5.757,00	6.560,45
GREEN DPSS LASERS, RLTMGL-523 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 2% power stability, low noise, fibercoupling, adjustable power, single mode, Q-switched</p> <p>523.5 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMGL-523-10-5, 523.5 nm , 10 mW cw, stability <5%, PSU-FDA	1.882,00	2.144,65
RLTMGL-523-30-5, 523.5 nm , 30 mW cw, stability <5%, PSU-FDA	2.050,00	2.336,10
RLTMGL-523-50-5, 523.5 nm , 50 mW cw, stability <5%, PSU-FDA	2.352,00	2.680,25
RLTMGL-523-100-5, 523.5 nm , 100 mW cw, stability <5%, PSU-FDA	3.343,00	3.809,55
RLTMGL-523-300-5, 523.5 nm , 300 mW cw, stability <5%, PSU-FDA	4.798,00	5.467,61
RLTMGL-523-500-5, 523.5 nm , 500 mW cw, stability <5%, PSU-FDA	5.757,00	6.560,45

RLTMGL-523-800-5, 523.5 nm , 800 mW cw, stability <5%, PSU-FDA	7.180,00	8.182,04
GREEN DPSS LASERS, RLTMGL-526 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% power stability, low noise, fibercoupling, adjustable power, single mode, Q-switched 526.5 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-526-10-5, 526.5 nm , 10 mW cw, stability <5%, PSU-FDA	1.882,00	2.144,65
RLTMGL-526-30-5, 526.5 nm , 30 mW cw, stability <5%, PSU-FDA	2.352,00	2.680,25
RLTMGL-526-50-5, 526.5 nm , 50 mW cw, stability <5%, PSU-FDA	3.343,00	3.809,55
RLTMGL-526-100-5, 526.5 nm , 100 mW cw, stability <5%, PSU-FDA	4.086,00	4.656,24
RLTMGL-526-200-5, 526.5 nm , 200 mW cw, stability <5%, PSU-FDA	4.798,00	5.467,61
RLTMGL-526-300-5, 526.5 nm , 300 mW cw, stability <5%, PSU-FDA	4.798,00	5.467,61
RLTMGL-526-500-5, 526.5 nm , 500 mW cw, stability <5%, PSU-FDA	5.757,00	6.560,45
RLTMGL-526-1W-5, 526.5 nm , 1 W cw, stability <5%, PSU-FDA	8.079,00	9.206,51
GREEN DPSS LASERS, RLTMGL-532 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% power stability, fibercoupling, adjustable power, modulation 532 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-532-100-3, 532 nm , 100 mW cw, stability <3%, PSU-FDA	1.647,00	1.876,86
RLTMGL-532-200-3, 532 nm , 200 mW cw, stability <3%, PSU-FDA	1.882,00	2.144,65
RLTMGL-532-300-3, 532 nm , 300 mW cw, stability <3%, PSU-FDA	2.117,00	2.412,45
RLTMGL-532-500-3, 532 nm , 500 mW cw, stability <3%, PSU-FDA	2.823,00	3.216,98
RLTMGL-532-1W-3, 532 nm , 1 W cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMGL-532-1.5W-3, 532 nm , 1.5 W cw, stability <3%, PSU-FDA	3.677,00	4.190,16
RLTMGL-532-2W-3, 532 nm , 2 W cw, stability <3%, PSU-FDA	4.086,00	4.656,24
RLTMGL-532-2.5W-3, 532 nm , 2.5 W cw, stability <3%, PSU-FDA	4.304,00	4.904,67
GREEN DPSS LASERS, RLTMGL-532 HIGH POWER series	EUR	USD
 <p>80-250 VAC power supply included available options: stability 3%, 2%, 1%, fibercoupling, adjustable power, modulation 532 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-532-3W-5, 532 nm , 3 W cw, stability <5%, PSU-FDA	4.797,62	5.467,18
RLTMGL-532-4W-5, 532 nm , 4 W cw, stability <5%, PSU-FDA	5.757,00	6.560,45
RLTMGL-532-5W-5, 532 nm , 5 W cw, stability <5%, PSU-FDA	7.180,00	8.182,04
RLTMGL-532-8W-5, 532 nm , 8 W cw, stability <5%, PSU-FDA	8.976,00	10.228,69
RLTMGL-532-10W-5, 532 nm , 10 W cw, stability <5%, PSU-FDA	10.771,00	12.274,20
RLTMGL-532-15W-5, 532 nm , 15 W cw, stability <5%, PSU-FDA	15.154,00	17.268,89
RLTMGL-532-20W-5, 532 nm , 20 W cw, stability <5%, PSU-FDA	21.890,00	24.944,97
GREEN DPSS LOW NOISE LASERS, RLTMML-532 series	EUR	USD
 <p>LOW NOISE 80-250 VAC power supply included available options: 2% and 1% power stability, fibercoupling 532 nm</p>	1-3 pcs.	1-3 pcs.
RLTMML-532-100-3, 532 nm , 100 mW cw, stability <3%, noise <1%, PSU-FDA	2.470,00	2.814,71
RLTMML-532-200-3, 532 nm , 200 mW cw, stability <3%, noise <1%, PSU-FDA	2.823,00	3.216,98
RLTMML-532-300-3, 532 nm , 300 mW cw, stability <3%, noise <1%, PSU-FDA	3.009,00	3.428,94
RLTMML-532-500-3, 532 nm , 500 mW cw, stability <3%, noise <1%, PSU-FDA	3.677,00	4.190,16
RLTMML-532-1W-3, 532 nm , 1 W cw, stability <3%, noise <1%, PSU-FDA	3.961,00	4.513,80
RLTMML-532-1.5W-3, 532 nm , 1.5 W cw, stability <3%, noise <1%, PSU-FDA	4.663,00	5.313,77
RLTMML-532-2W-3, 532 nm , 2 W cw, stability <3%, noise <1%, PSU-FDA	5.181,00	5.904,06

RLTMML-532-2.5W-3, 532 nm , 2.5 W cw, stability <3%, noise <1%, PSU-FDA	5.700,00	6.495,49
GREEN DPSS LOW NOISE LASERS, RLTMML-532 HIGH POWER series	EUR	USD
 <p>80-250 VAC power supply included available options: stability, 3%, 2%, 1%, fibercoupling, adjustable power, modulation 532 nm</p>	1-3 pcs.	1-3 pcs.
RLTMML-532-3W-5, 532 nm , 3 W cw, stability <5%, noise <1%, PSU-FDA	6.477,00	7.380,93
RLTMML-532-5W-5, 532 nm , 5 W cw, stability <5%, noise <1%, PSU-FDA	8.618,00	9.820,73
RLTMML-532-8W-5, 532 nm , 8 W cw, stability <5%, noise <1%, PSU-FDA	10.771,00	12.274,20
RLTMML-532-10W-5, 532 nm , 10 W cw, stability <5%, noise <1%, PSU-FDA	12.925,00	14.728,81
RLTMML-532-15W-5, 532 nm , 15 W cw, stability <5%, noise <1%, PSU-FDA	18.185,00	20.722,90
RLTMML-532-20W-5, 532 nm , 20 W cw, stability <5%, noise <1%, PSU-FDA	26.267,00	29.932,82
GREEN DPSS SINGLE LONGITUDINAL MODE LASERS, RLTMML-532 series	EUR	USD
 <p>SINGLE LONGITUDINAL MODE 80-250 VAC power supply included available options: 3%, 2% and 1% power stability, fibercoupling 532 nm</p>	1-3 pcs.	1-3 pcs.
RLTMML-532-10-3, 532 nm , 10 mW cw, stability <3%, noise <0.5%, PSU-FDA	2.823,00	3.216,98
RLTMML-532-50-3, 532 nm , 50 mW cw, stability <3%, noise <0.5%, PSU-FDA	3.343,00	3.809,55
RLTMML-532-100-3, 532 nm , 100 mW cw, stability <3%, noise <0.5%, PSU-FDA	4.086,00	4.656,24
RLTMML-532-200-3, 532 nm , 200 mW cw, stability <3%, noise <0.5%, PSU-FDA	4.798,00	5.467,61
RLTMML-532-300-3, 532 nm , 300 mW cw, stability <3%, noise <0.5%, PSU-FDA	5.757,00	6.560,45
RLTMML-532-500-3, 532 nm , 500 mW cw, stability <3%, noise <0.5%, PSU-FDA	10.771,00	12.274,20
RLTMML-532-1W-3, 532 nm , 1000 mW cw, stability <3%, noise <0.5%, PSU-FDA	12.567,00	14.320,85
GREEN Q-SWITCHED PULSED LASERS, RLTMPL-532 series	EUR	USD
 <p>Passively Q-switched Laser uncontrollable rep. rate 5-20kHz (unstable) options: - controllable rep. rate 1-4 kHz - 5%, 2% and 1% power stability 532 nm passively Q-switched</p>	1-3 pcs.	1-3 pcs.
RLTMPL-532-10-3, 532 nm , 10mW avg., pulse length ~10ns, <3% stability, PSU-FDA	4.086,00	4.656,24
RLTMPL-532-20-3, 532 nm , 20 mW avg., pulse length ~10ns, <3% stability, PSU-FDA	4.798,00	5.467,61
RLTMPL-532-50-3, 532 nm , 50 mW avg., pulse length ~10ns, <3% stability, PSU-FDA	5.757,00	6.560,45
RLTMPL-532-100-3, 532 nm , 100 mW avg., pulse length ~10ns, <3% stability, PSU-FDA	6.717,00	7.654,42
RLTMPL-532-300-3, 532 nm , 300 mW avg., pulse length ~5ns, <3% stability, PSU-FDA	8.079,00	9.206,51
RLTMPL-532-500-3, 532 nm , 500 mW avg., pulse length ~5ns, <3% stability, PSU-FDA	8.976,00	10.228,69
RLTMPL-532-1W-3, 532 nm , 1 W mW avg., pulse length ~5ns, <3% stability, PSU-FDA	10.771,00	12.274,20
RLTMPL-532-2W-3, 532 nm , 2 W mW avg., pulse length ~5ns, <3% stability, PSU-FDA	12.567,00	14.320,85
RLTMPL-532-3W-3, 532 nm , 3 W mW avg., pulse length ~5ns, <3% stability, PSU-FDA	15.154,00	17.268,89
GREEN DPSS PASSIVELY Q-SWITCHED LASERS, RLTMPL-532SP series	EUR	USD
 <p>Passively Q-switched short pulse Laser uncontrollable rep. rate 5-7kHz (unstable) options: - controllable rep. rate 1-4 kHz - 10%, 3%, 2% and 1% power stability 532 nm passively Q-switched</p>	1-3 pcs.	1-3 pcs.
RLTMPL-532SP-3UJ-5, 532 nm , 3 μJ, ~1.3 ns pulse, <5% stability, PSU-FDA	8.079,00	9.206,51
RLTMPL-532SP-5UJ-5, 532 nm , 5 μJ, ~1.3 ns pulse, <5% stability, PSU-FDA	8.976,00	10.228,69
RLTMPL-532SP-10UJ-5, 532 nm , 10 μJ, ~1.3 ns pulse, <5% stability, PSU-FDA	11.669,00	13.297,53
RLTMPL-532SP-20UJ-5, 532 nm , 20 μJ, ~1.3 ns pulse, <5% stability, PSU-FDA	13.464,00	15.343,04
RLTMPL-532SP-30UJ-5, 532 nm , 30 μJ, ~1.3 ns pulse, <5% stability, PSU-FDA	14.312,00	16.309,38
GREEN DPSS AOM Q-SWITCHED PULSED LASERS, RLTAOL-532 series	EUR	USD

	<p>AOM (Acusto-Optic Modulation) Q-switched Laser 1 - 50 kHz, adjustable Option: 10% and 3% power stability, 1-200 kHz 80-250 VAC power supply included</p> <p>532 nm AOM Q-switched</p>		
		1-3 pcs.	1-3 pcs.
RLTAOL-532-10-5, 532 nm , 10 mW @ 1 kHz, 10µJ, 5-10 ns pulse, <5% stability, PSU-FDA		6.717,00	7.654,42
RLTAOL-532-30-5, 532 nm , 30 mW @ 1 kHz, 30µJ, 5-10 ns pulse, <5% stability, PSU-FDA		8.079,00	9.206,51
RLTAOL-532-50-5, 532 nm , 50 mW @ 1 kHz, 50µJ, 5-10 ns pulse, <5% stability, PSU-FDA		9.874,00	11.252,02
RLTAOL-532-100-5, 532 nm , 100 mW @ 10 kHz, 10µJ, 8-15 ns pulse, <5% stability, PSU-FDA		7.676,00	8.747,26
RLTAOL-532-300-5, 532 nm , 300 mW @ 10 kHz, 30 µJ, 8-15 ns pulse, <5% stability, PSU-FDA		8.976,00	10.228,69
RLTAOL-532-500-5, 532 nm , 500 mW @ 10 kHz, 50 µJ, 8-15 ns pulse, <5% stability, PSU-FDA		10.771,00	12.274,20
RLTAOL-532-1W-5, 532 nm , 1 W @ 10 kHz, 100 µJ, 5-30 ns pulse, <5% stability, PSU-FDA		12.567,00	14.320,85
RLTAOL-532-2W-5, 532 nm , 2 W @ 10 kHz, 200 µJ, 5-30 ns pulse, <5% stability, PSU-FDA		14.362,00	16.366,36
GREEN DPSS LASERS, RLTMGL-543 series		EUR	USD
	<p>80-250 VAC power supply included available options: 5%, 2% and 1% power stability, fibercoupling, adjustable power, modulation, low noise</p> <p>543 nm</p>		
		1-3 pcs.	1-3 pcs.
RLTMGL-543-30-3, 543 nm , 30 mW cw, stability <3%, PSU-FDA		3.343,00	3.809,55
RLTMGL-543-50-3, 543 nm , 50 mW cw, stability <3%, PSU-FDA		3.677,00	4.190,16
RLTMGL-543-100-3, 543 nm , 100 mW cw, stability <3%, PSU-FDA		4.798,00	5.467,61
RLTMGL-543-200-3, 543 nm , 200 mW cw, stability <3%, PSU-FDA		6.717,00	7.654,42
RLTMGL-543-500-3, 543 nm , 500 mW cw, stability <3%, PSU-FDA		8.079,00	9.206,51
RLTMGL-543-1W-3, 543 nm , 1 W cw, stability <3%, PSU-FDA		9.874,00	11.252,02
RLTMGL-543-1.5W-3, 543 nm , 1.5 W cw, stability <3%, PSU-FDA		11.669,00	13.297,53
GREEN DPSS LASERS, RLTMGL-556 series		EUR	USD
	<p>80-250 VAC power supply included available options: 5%, 2% and 1% power stability, low noise, fibercoupling, adjustable power, modulation</p> <p>556 nm</p>		
		1-3 pcs.	1-3 pcs.
RLTMGL-556-30-3, 556 nm , 50 mW cw, stability <3%, PSU-FDA		3.086,00	3.516,68
RLTMGL-556-50-3, 556 nm , 50 mW cw, stability <3%, PSU-FDA		3.457,00	3.939,46
RLTMGL-556-100-3, 556 nm , 100 mW cw, stability <3%, PSU-FDA		5.167,00	5.888,11
RLTMGL-556-200-3, 556 nm , 200 mW cw, stability <3%, PSU-FDA		6.643,00	7.570,10
RLTMGL-556-500-10, 556 nm , 500 mW cw, stability <3%, PSU-FDA		8.976,00	10.228,69
RLTMGL-556-1W-10, 556 nm , 1 W cw, stability <3%, PSU-FDA		12.567,00	14.320,85
RLTMGL-556-2W-10, 556 nm , 2 W cw, stability <3%, PSU-FDA		15.154,00	17.268,89
RLTMGL-556-2.5W-10, 556 nm , 2.5 W cw, stability <3%, PSU-FDA		18.522,00	21.106,93
GREEN DPSS LASERS, RLTMGL-561 series		EUR	USD
	<p>80-250 VAC power supply included available options: 5%, 2% and 1% power stability, low noise, fibercoupling, adjustable power</p> <p>561 nm</p>		
		1-3 pcs.	1-3 pcs.
RLTMGL-561-30-3, 561 nm , 30 mW cw, stability <3%, PSU-FDA		2.352,38	2.680,68
RLTMGL-561-50-3, 561 nm , 50 mW cw, stability <3%, PSU-FDA		2.823,00	3.216,98
RLTMGL-561-100-3, 561 nm , 100 mW cw, stability <3%, PSU-FDA		3.343,00	3.809,55
RLTMGL-561-200-3, 561 nm , 200 mW cw, stability <3%, PSU-FDA		4.798,00	5.467,61
RLTMGL-561-300-3, 561 nm , 300 mW cw, stability <3%, PSU-FDA		6.717,00	7.654,42
RLTMGL-561-500-3, 561 nm , 500 mW cw, stability <3%, PSU-FDA		8.976,00	10.228,69
RLTMGL-561-1W-3, 561 nm , 1 W cw, stability <3%, PSU-FDA		12.567,00	14.320,85
RLTMGL-561-2W-3, 561 nm , 2 W cw, stability <3%, PSU-FDA		18.522,00	21.106,93
GREEN DPSS LASERS, RLTMGL-561 series		EUR	USD

	<p>LOW NOISE (noise of amplitude <1%) 80-250 VAC power supply included available options: <5%, 2% and <1% power stability, fibercoupling 561 nm</p>		
		1-3 pcs.	1-3 pcs.
RLTMLL-561-10-3, 561 nm , 10 mW cw, stability <3%, noise <1%, PSU-FDA		2.897,00	3.301,31
RLTMLL-561-30-3, 561 nm , 30 mW cw, stability <3%, noise <1%, PSU-FDA		3.025,00	3.447,17
RLTMLL-561-50-3, 561 nm , 50 mW cw, stability <3%, noise <1%, PSU-FDA		3.477,00	3.962,25
RLTMLL-561-100-3, 561 nm , 100 mW cw, stability <3%, noise <1%, PSU-FDA		3.984,00	4.540,01
RLTMLL-561-200-3, 561 nm , 200 mW cw, stability <3%, noise <1%, PSU-FDA		6.237,00	7.107,44

LASER SYSTEMS - YELLOW




YELLOW DPSS LASERS, RLTMGL-589 series		EUR	USD
	<p>80-250 VAC power supply included available options: <3%, <2% and <1% power stability, fibercoupling, adjustable power 589 nm</p>		
		1-3 pcs.	1-3 pcs.
RLTMGL-589-10-5, 589 nm , 10 mW cw, stability <5%, PSU-FDA		3.086,00	3.516,68
RLTMGL-589-30-5, 589 nm , 30 mW cw, stability <5%, PSU-FDA		3.452,00	3.933,76
RLTMGL-589-50-5, 589 nm , 50 mW cw, stability <5%, PSU-FDA		3.929,00	4.477,33
RLTMGL-589-100-5, 589 nm , 100 mW cw, stability <5%, PSU-FDA		5.167,00	5.888,11
RLTMGL-589-200-5, 589 nm , 200 mW cw, stability <5%, PSU-FDA		5.905,00	6.729,10
RLTMGL-589-300-5, 589 nm , 300 mW cw, stability <5%, PSU-FDA		7.381,00	8.411,09
YELLOW DPSS LASERS, RLTMGL-589 series HIGH POWER		EUR	USD
	<p>80-250 VAC power supply included available options: <3% stability, low noise, fibercoupling, adjustable power 589 nm</p>		
		1-3 pcs.	1-3 pcs.
RLTMGL-589-400-5, 589 nm , 400 mW cw, stability <5%, PSU-FDA		7.676,00	8.747,26
RLTMGL-589-500-5, 589 nm , 500 mW cw, stability <5%, PSU-FDA		8.976,00	10.228,69
RLTMGL-589-1W-5, 589 nm , 1 W cw, stability <5%, PSU-FDA		12.567,00	14.320,85
RLTMGL-589-2W-5, 589 nm , 2 W cw, stability <5%, PSU-FDA		14.362,00	16.366,36
RLTMGL-589-3W-5, 589 nm , 3 W cw, stability <5%, PSU-FDA		15.154,00	17.268,89
RLTMGL-589-4.5W-5, 589 nm , 4.5 W cw, stability <5%, PSU-FDA		18.522,00	21.106,93
YELLOW DPSS LASERS, RLTMGL-593.5 series		EUR	USD
	<p>80-250 VAC power supply included available options: 10% and 3% power stability, low noise, fibercoupling, adjustable power 593.5 nm</p>		
		1-3 pcs.	1-3 pcs.
RLTMGL-593-10-5, 593.5 nm , 10 mW cw, stability <5%, PSU-FDA		3.343,00	3.809,55
RLTMGL-593-30-5, 593.5 nm , 30 mW cw, stability <5%, PSU-FDA		4.086,00	4.656,24
RLTMGL-593-50-5, 593.5 nm , 50 mW cw, stability <5%, PSU-FDA		4.798,00	5.467,61
RLTMGL-593-100-5, 593.5 nm , 100 mW cw, stability <5%, PSU-FDA		6.717,00	7.654,42
YELLOW DPSS LASERS, RLTMGL-593.5 series HIGH POWER		EUR	USD
	<p>80-250 VAC power supply included available options: 3% power stability, low noise, fibercoupling, adjustable power 593.5 nm</p>		
		1-3 pcs.	1-3 pcs.
RLTMGL-593-200-5, 593.5 nm , 200 mW cw, stability <5%, PSU-FDA		8.976,00	10.228,69





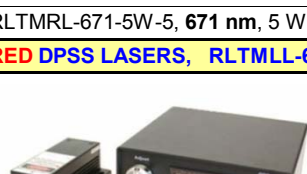
RLTMGL-593-500-5, 593.5 nm , 500 mW cw, stability <5%, PSU-FDA	12.567,00	14.320,85
RLTMGL-593-800-5, 593.5 nm , 800 mW cw, stability <5%, PSU-FDA	15.154,00	17.268,89






LASER SYSTEMS - ORANGE

ORANGE DPSS LASERS, RLTMRL-604 series	EUR	USD
 <p>80-250 VAC power supply included available options: 10% and 3% power stability, low noise, fibercoupling, adjustable power</p> <p>604 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-604-10-5, 604 nm , 10 mW cw, stability <5%, PSU-FDA	4.304,00	4.904,67
RLTMRL-604-30-5, 604 nm , 30 mW cw, stability <5%, PSU-FDA	4.798,00	5.467,61
RLTMRL-604-50-5, 604 nm , 50 mW cw, stability <5%, PSU-FDA	5.757,00	6.560,45
RLTMRL-604-100-5, 604 nm , 100 mW cw, stability <5%, PSU-FDA	8.976,00	10.228,69
ORANGE DPSS LASERS, RLTMRL-607 series	EUR	USD
 <p>80-250 VAC power supply included available options: 10% and 3% power stability, low noise, fibercoupling, adjustable power</p> <p>607 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-607-30-5, 607 nm , 30 mW cw, stability <5%, PSU-FDA	4.304,00	4.904,67
RLTMRL-607-50-5, 607 nm , 50 mW cw, stability <5%, PSU-FDA	4.798,00	5.467,61
RLTMRL-607-100-5, 607 nm , 100 mW cw, stability <5%, PSU-FDA	5.757,00	6.560,45
RLTMRL-607-200-5, 607 nm , 200 mW cw, stability <5%, PSU-FDA	6.717,00	7.654,42
RLTMRL-607-300-5, 607 nm , 300 mW cw, stability <5%, PSU-FDA	8.079,00	9.206,51
RLTMRL-607-500-5, 607 nm , 500 mW cw, stability <5%, PSU-FDA	11.669,00	13.297,53
ORANGE LASER DIODE MODULES, RLTMRL-622 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation</p> <p>622 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-622-10-3, 622 nm , 10 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMRL-622-20-3, 622 nm , 20 mW cw, stability <3%, PSU-FDA	3.693,00	4.208,40
RLTMRL-622-30-3, 622 nm , 30 mW cw, stability <3%, PSU-FDA	4.364,00	4.973,04
RLTMRL-622-50-3, 622 nm , 50 mW cw, stability <3%, PSU-FDA	4.798,00	5.467,61
ORANGE LASER DIODE MODULES, RLTMRL-627 series	EUR	USD
 <p>80-250 VAC power supply included near TEM00 beam profile available options: 2% and 1% stability, low noise, fibercoupling, adjustable power, modulation</p> <p>627 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-627-10-3, 627 nm , 10 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMRL-627-30-3, 627 nm , 30 mW cw, stability <3%, PSU-FDA	3.693,00	4.208,40
RLTMRL-627-50-3, 627 nm , 50 mW cw, stability <3%, PSU-FDA	4.364,00	4.973,04
RLTMRL-627-80-3, 627 nm , 80 mW cw, stability <3%, PSU-FDA	4.798,00	5.467,61
RLTMRL-627-100-3, 627 nm , 100 mW cw, stability <3%, PSU-FDA	5.388,00	6.139,95
LASER SYSTEMS - RED		
RED LASER DIODE MODULES, RLTMRL-633 series	EUR	USD

 <p>80-250 VAC power supply included near TEM00 beam profile available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation 633 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-633-20-3, 633 nm , 20 mW cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMRL-633-50-3, 633 nm , 50 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMRL-633-100-3, 633 nm , 100 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMRL-633-200-3, 633 nm , 200 mW cw, MM, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMRL-633-300-3, 633 nm , 300 mW cw, MM, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMRL-633-500-3, 633 nm , 500 mW cw, MM, stability <3%, PSU-FDA	3.343,00	3.809,55
RED LASER DIODE MODULES, RLTMRL-635 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation 635 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-635-300-3, 635 nm , 300 mW cw, stability <3%, PSU-FDA	1.048,00	1.194,26
RLTMRL-635-500-3, 635 nm , 500 mW cw, stability <3%, PSU-FDA	1.238,00	1.410,78
RED ROUND SPOT LASER DIODE MODULES, RLTMRL-635R series	EUR	USD
 <p>80-250 VAC power supply included round spot beam profile available options: 2% and 1% stability, fibercoupling, adjustable power, modulation 635 nm ROUND SPOT</p>	1-3 pcs.	1-3 pcs.
RLTMRL-635R-50-3, 635 nm , 50 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMRL-635R-100-3, 635 nm , 100 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMRL-635R-150-3, 635 nm , 150 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RED LASER DIODE MODULES, RLTMRL-637 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation 637 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-637-100-3, 637 nm , 100 mW cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMRL-637-200-3, 637 nm , 200 mW cw, stability <3%, PSU-FDA	1.719,00	1.958,90
RED DPSS LASERS, RLTMRL-639 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2% and 1% power stability, low noise, fibercoupling, adjustable power 639 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-639-50-3, 639 nm , 50 mW cw, stability <3%, PSU-FDA	3.566,00	4.063,67
RLTMRL-639-100-3, 639 nm , 100 mW cw, stability <3%, PSU-FDA	3.677,00	4.190,16
RLTMRL-639-300-3, 639 nm , 300 mW cw, stability <3%, PSU-FDA	4.086,00	4.656,24
RLTMRL-639-500-3, 639 nm , 500 mW cw, stability <3%, PSU-FDA	4.798,00	5.467,61
RLTMRL-639-1W-3, 639 nm , 1 W cw, stability <3%, PSU-FDA	7.676,00	8.747,26
RED LASER DIODE MODULES, RLTMRL-640 series	EUR	USD

 <p>80-250 VAC power supply included round spot beam profile available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation 640 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-640-100-3, 640 nm , 100 mW cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMRL-640-200-3, 640 nm , 200 mW cw, stability <3%, PSU-FDA	1.719,00	1.958,90
RED LASER DIODE MODULES, RLTMRL-655 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation 655 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-655-100-3, 655 nm , 100 mW cw, stability <3%, PSU-FDA	838,00	954,95
RLTMRL-655-500-3, 655 nm , 500 mW cw, stability <3%, PSU-FDA	1.048,00	1.194,26
RLTMRL-655-1W-3, 655 nm , 1 W cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RED ROUND SPOT LASER DIODE MODULES, RLTMRL-655R series	EUR	USD
 <p>80-250 VAC power supply included round spot beam profile available options: 2% and 1% stability, fibercoupling, adjustable power, modulation 655 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-655R-50-3, 655 nm , 50 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMRL-655R-100-3, 655 nm , 100 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMRL-655R-200-3, 655 nm , 200 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RED DPSS LASERS, RLTMRL-656 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% power stability, fibercoupling, adjustable power, Q-switched 656.5 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-656-10-5, 656.5 nm , 10 mW cw, stability <5%, PSU-FDA	2.823,00	3.216,98
RLTMRL-656-30-5, 656.5 nm , 30 mW cw, stability <5%, PSU-FDA	3.152,00	3.591,89
RLTMRL-656-50-5, 656.5 nm , 50 mW cw, stability <5%, PSU-FDA	3.677,00	4.190,16
RLTMRL-656-100-5, 660 nm , 200 mW cw, stability <5%, PSU-FDA	4.499,00	5.126,88
RLTMRL-656-200-5, 656 nm , 200 mW cw, stability <5%, PSU-FDA	5.757,00	6.560,45
RLTMRL-656-500-5, 660 nm , 500 mW cw, stability <5%, PSU-FDA	6.717,00	7.654,42
RLTMRL-656-1W-5, 660 nm , 1 W cw, stability <5%, PSU-FDA	8.079,00	9.206,51
RED LASER DIODE MODULES, RLTMRL-660D series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation 660 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-660D-100-3, 660 nm , 100 mW cw, stability <3%, PSU-FDA	838,00	954,95
RLTMRL-660D-500-3, 660 nm , 500 mW cw, stability <3%, PSU-FDA	1.048,00	1.194,26
RLTMRL-660D-1W-3, 660 nm , 1 W cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RED ROUND SPOT LASER DIODE MODULES, RLTMRL-660RD series	EUR	USD

 <p>80-250 VAC power supply included round spot beam profile available options: 2% and 1% stability, fibercoupling, adjustable power, modulation 660 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMRL-660RD-50-3, 660 nm , 50 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMRL-660RD-100-3, 660 nm , 100 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMRL-660RD-200-3, 660 nm , 200 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RED DPSS LASERS, RLTMRL-660 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% power stability, low noise, fibercoupling, adjustable power, Q-switched 660 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMRL-660-30-5, 660 nm , 30 mW cw, stability <5%, PSU-FDA	2.352,00	2.680,25
RLTMRL-660-50-5, 660 nm , 50 mW cw, stability <5%, PSU-FDA	2.891,00	3.294,47
RLTMRL-660-100-5, 660 nm , 100 mW cw, stability <5%, PSU-FDA	3.343,00	3.809,55
RLTMRL-660-200-5, 660 nm , 200 mW cw, stability <5%, PSU-FDA	4.086,00	4.656,24
RLTMRL-660-300-5, 660 nm , 300 mW cw, stability <5%, PSU-FDA	4.499,00	5.126,88
RLTMRL-660-500-5, 660 nm , 500 mW cw, stability <5%, PSU-FDA	5.757,00	6.560,45
RLTMRL-660-1W-5, 660 nm , 1 W cw, stability <5%, PSU-FDA	8.079,00	9.206,51
RLTMRL-660-2W-5, 660 nm , 2 W cw, stability <5%, PSU-FDA	12.567,00	14.320,85
RED DPSS LASERS, RLTMRL-671 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2% and 1% power stability, temperature stabilized, modulation, fibercoupling, adjustable power 671 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMRL-671-50-3, 671 nm , 50 mW cw, stability <3%, PSU-FDA	1.647,00	1.876,86
RLTMRL-671-100-3, 671 nm , 100 mW cw, stability <3%, PSU-FDA	1.725,00	1.965,74
RLTMRL-671-200-3, 671 nm , 200 mW cw, stability <3%, PSU-FDA	1.882,00	2.144,65
RLTMRL-671-500-3, 671 nm , 500 mW cw, stability <3%, PSU-FDA	2.823,00	3.216,98
RLTMRL-671-1W-3, 671 nm , 1 W cw, stability <3%, PSU-FDA	4.086,00	4.656,24
RED DPSS LASERS, RLTMRL-671 HIGH POWER series	EUR	USD
 <p>80-250 VAC power supply included available options: 3%, 2% and 1% power stability, temperature stabilized, modulation, fibercoupling, adjustable power 671 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMRL-671-2W-5, 671 nm , 2 W cw, stability <5%, PSU-FDA	5.757,00	6.560,45
RLTMRL-671-3W-5, 671 nm , 3 W cw, stability <5%, PSU-FDA	9.874,00	11.252,02
RLTMRL-671-4W-5, 671 nm , 4 W cw, stability <5%, PSU-FDA	14.362,00	16.366,36
RLTMRL-671-5W-5, 671 nm , 5 W cw, stability <5%, PSU-FDA	18.522,00	21.106,93
RED DPSS LASERS, RLTMRL-671 series	EUR	USD
 <p>LOW NOISE (noise of amplitude <1%) 80-250 VAC power supply included available options: 2% and 1% power stability, fibercoupling 671 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMRL-671-100-3, 671 nm , 100 mW cw, stability <3%, PSU-FDA	2.305,00	2.626,69
RLTMRL-671-200-3, 671 nm , 200 mW cw, stability <3%, PSU-FDA	2.635,00	3.002,74
RLTMRL-671-500-3, 671 nm , 500 mW cw, stability <3%, PSU-FDA	3.432,00	3.910,97
RLTMRL-671-1W-3, 671 nm , 1 W cw, stability <3%, PSU-FDA	4.990,00	5.686,40



RED DPSS LASERS, RLTMLL-671 HIGH POWER series	EUR	USD
 <p>LOW NOISE (noise of amplitude <1%) 80-250 VAC power supply included available options: 3%, 21% and 1% power stability, fibercoupling 671 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMLL-671-2W-5, 671 nm , 2 W cw, stability <5%, PSU-FDA	7.484,00	8.528,47
RLTMLL-671-3W-5, 671 nm , 3 W cw, stability <5%, PSU-FDA	12.836,00	14.627,39
RLTMLL-671-4W-5, 671 nm , 4 W cw, stability <5%, PSU-FDA	17.512,00	19.955,97
RLTMLL-671-5W-5, 671 nm , 5 W cw, stability <5%, PSU-FDA	24.079,00	27.439,47
RED DPSS SINGLE LONGITUDINAL MODE LASERS, RLTMSSL-671 series	EUR	USD
 <p>SINGLE LONGITUDINAL MODE 80-250 VAC power supply included available options: 2% and 1% power stability, fibercoupling 671 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMSSL-671-30-3, 671 nm , 30 mW cw, stability <3%, noise <0.5%, PSU-FDA	3.677,00	4.190,16
RLTMSSL-671-50-3, 671 nm , 50 mW cw, stability <3%, noise <0.5%, PSU-FDA	3.942,00	4.492,15
RLTMSSL-671-100-3, 671 nm , 100 mW cw, stability <3%, noise <0.5%, PSU-FDA	4.304,00	4.904,67
RLTMSSL-671-300-3, 671 nm , 300 mW cw, stability <3%, noise <0.5%, PSU-FDA	7.676,00	8.747,26
RLTMSSL-671-500-3, 671 nm , 500 mW cw, stability <3%, noise <0.5%, PSU-FDA	13.464,00	15.343,04
RED LASER DIODE MODULES, RLTMRL-680 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power 680 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMRL-680-300-3, 680 nm , 300 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMRL-680-500-3, 680 nm , 500 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMRL-680-800-3, 680 nm , 800 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RED ROUND SPOT LASER DIODE MODULES, RLTMRL-680R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 2% and 1% stability, low noise, fibercoupling, adjustable power 680 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMRL-680R-50-3, 680 nm , 50 mW cw, stability <3%, PSU-FDA	3.171,00	3.613,54
RLTMRL-680R-100-3, 680 nm , 100 mW cw, stability <3%, PSU-FDA	3.600,00	4.102,42
RLTMRL-680R-200-3, 680 nm , 200 mW cw, stability <3%, PSU-FDA	4.086,00	4.656,24
RED LASER DIODE MODULES, RLTMDL-685 series	EUR	USD
 <p>80-250 VAC power supply included near TEM00 beam profile available options: 2%, 1% and 0.5% stability, fibercoupling, adjustable power, modulation 685 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-685-10-3, 685 nm , 10 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMDL-685-20-3, 685 nm , 20 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RED LASER DIODE MODULES, RLTMRL-690 series	EUR	USD

 <p>80-250 VAC power supply included square beam profile available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power 690 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMRL-690-300-3, 690 nm , 300 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMRL-690-500-3, 690 nm , 500 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMRL-690-800-3, 690 nm , 800 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RED ROUND SPOT LASER DIODE MODULES, RLTMRL-690R series	EUR	USD
 <p>80-250 VAC power supply included round spot beam profile available options: 2% and 1% stability, fibercoupling, adjustable power 690 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMRL-690R-50-3, 690 nm , 50 mW cw, stability <3%, PSU-FDA	3.171,00	3.613,54
RLTMRL-690R-100-3, 690 nm , 100 mW cw, stability <3%, PSU-FDA	3.600,00	4.102,42
RLTMRL-690R-200-3, 690 nm , 200 mW cw, stability <3%, PSU-FDA	4.086,00	4.656,24
LASER SYSTEMS - IR		
INFRARED LASER DIODE MODULES, RLTM DL-705 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2% , 1% and 0.5% stability, low noise, fibercoupling, modulation 705 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTM DL-705-10-3, 705 nm , 10 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTM DL-705-20-3, 705 nm , 20 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTM DL-705-25-3, 705 nm , 25 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
INFRARED DIODE PUMPED LASER MODULES - RLTM RL-722 series	EUR	USD
 <p>80-250 VAC power supply included available options: 10% and 3% stability, fibercoupling, adjustable power, modulation 721 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTM RL-721-30-5, 721 nm , 30 mW cw, stability <5%, PSU-FDA	3.677,00	4.190,16
RLTM RL-721-50-5, 721 nm , 50 mW cw, stability <5%, PSU-FDA	3.921,00	4.468,21
RLTM RL-721-100-5, 721 nm , 100 mW cw, stability <5%, PSU-FDA	4.304,00	4.904,67
RLTM RL-721-300-5, 721 nm , 300 mW cw, stability <5%, PSU-FDA	6.717,00	7.654,42
RLTM RL-721-500-5, 721 nm , 500 mW cw, stability <5%, PSU-FDA	8.976,00	10.228,69
RLTM RL-721-800-5, 721 nm , 800 mW cw, stability <5%, PSU-FDA	14.362,00	16.366,36
INFRARED LASER DIODE MODULES, RLTM DL-730 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, modulation 730 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTM DL-730-10-3, 730 nm , 10 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTM DL-730-20-3, 730 nm , 20 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTM DL-730-30-3, 730 nm , 30 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
INFRARED LASER DIODE MODULES, RLTM DL-750 series	EUR	USD



 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation, round spot 750 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-750-100-3, 750 nm , 100 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMDL-750-300-3, 750 nm , 300 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMDL-750-500-3, 750 nm , 500 mW cw, stability <3%, PSU-FDA	3.171,00	3.613,54
RLTMDL-750-1W-3, 750 nm , 1 W cw, stability <3%, PSU-FDA	3.600,00	4.102,42
RLTMDL-750-2W-3, 750 nm , 2 W cw, stability <3%, PSU-FDA	3.693,00	4.208,40
INFRARED LASER DIODE MODULES, RLTMDL-785 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation, round spot 785 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-785-500-3, 785 nm , 500 mW cw, stability <3%, PSU-FDA	1.719,00	1.958,90
RLTMDL-785-1W-3, 785 nm , 1 W cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-785-2W-3, 785 nm , 2 W cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMDL-785-2.5W-3, 785 nm , 2.5 W cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RED ROUND SPOT LASER DIODE MODULES, RLTMDL-785R series	EUR	USD
 <p>80-250 VAC power supply included round spot beam profile available options: 2% and 1% stability, fibercoupling, adjustable power 785 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-785R-100-3, 785 nm , 100 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMDL-785R-200-3, 785 nm , 200 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMDL-785R-300-3, 785 nm , 300 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
INFRARED LASER DIODE MODULES, RLTMFC-785 series	EUR	USD
 <p>100-240 VAC power supply integrated 400µm fiber, 0.22 NA, SMA905 connector cw or pulse operation pulse width, time period, timer adjustable air cooled 785 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMFC-785-500-3, 785 nm , 500 mW cw, stability <3%, laser unit 243x249x127 mm	3.086,00	3.516,68
RLTMFC-785-1W-3, 785 nm , 1 W cw, stability <3%, laser unit 243x249x127 mm	3.257,00	3.711,55
RLTMFC-785-2W-3, 785 nm , 1.5 W cw, stability <3%, laser unit 243x249x127 mm	3.457,00	3.939,46
INFRARED LASER DIODE MODULES, RLTMFC-785D series	EUR	USD
 <p>spectrum stabilized, narrow linewidth for Raman Spectroscopy applications available options: TTL modulation 0-100 kHz, 2% and 1% stability 785 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMFC-785D-200-3, 785±0.3nm , 200 mW cw, stability <3%, fiber coupled	2.914,00	3.320,68
RLTMFC-785D-300-3, 785±0.3nm , 300 mW cw, stability <3%, fiber coupled	3.343,00	3.809,55
RLTMFC-785D-450-3, 785±0.3nm , 450 mW cw, stability <3%, fiber coupled	3.693,00	4.208,40
INFRARED LASER DIODE MODULES, RLTMDL-785L series	EUR	USD






 <p>80-250 VAC power supply included wavelength locked available options: 2% and 1% stability, low noise, fibercoupling, adjustable power, modulation 785 nm</p>		
RLTMDL-785L-300-3, 785±0.3nm , 300 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMDL-785L-400-3, 785±0.3nm , 400 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMDL-785L-600-3, 785±0.3nm , 600 mW cw, stability <3%, PSU-FDA	3.171,00	3.613,54
INFRARED LASER DIODE MODULES, RLTMDL-793 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot 793 nm</p>		
RLTMDL-793-500-3, 793 nm , 500 mW cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMDL-793-1W-3, 793 nm , 1 W cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-793-2.5W-3, 793 nm , 2.5 W cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMDL-793-3W-3, 793 nm , 3 W cw, stability <3%, PSU-FDA	4.086,00	4.656,24
RLTMDL-793-4W-3, 793 nm , 4 W cw, stability <3%, PSU-FDA	4.798,00	5.467,61
INFRARED LASER DIODE MODULES, RLTMDL-800 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot 800 nm</p>		
RLTMDL-800-1W-3, 800 nm , 1 W cw, stability <3%, PSU-FDA	1.719,00	1.958,90
RLTMDL-800-2W-3, 800 nm , 2 W cw, stability <3%, PSU-FDA	2.171,00	2.473,98
RLTMDL-800-2.5W-3, 800 nm , 2.5 W cw, stability <3%, PSU-FDA	2.743,00	3.125,81
INFRARED LASER DIODE MODULES, RLTMDL-800R series	EUR	USD
 <p>80-250 VAC power supply included round spot beam profile available options: 2% and 1% stability, fibercoupling, adjustable power 800 nm</p>		
RLTMDL-800R-100-3, 800 nm , 100 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMDL-800R-300-3, 800 nm , 300 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMDL-800R-500-3, 800 nm , 500 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
INFRARED LASER DIODE MODULES, RLTMDL-808 series	EUR	USD
 <p>80-250 VAC power supply included square beam available options: 2% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot 808 nm</p>		
RLTMDL-808-500-3, 808 nm , 500 mW cw, stability <3%, PSU-FDA	1.048,00	1.194,26
RLTMDL-808-1W-3, 808 nm , 1 W cw, stability <3%, PSU-FDA	1.210,00	1.378,87
RLTMDL-808-2W-3, 808 nm , 2.W cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMDL-808-5W-3, 808 nm , 5 W cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-808-8W-3, 808 nm , 8 W cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMDL-808-10W-3, 808 nm , 10 W cw, stability <3%, PSU-FDA	2.743,00	3.125,81
INFRARED LASER DIODE MODULES, RLTMDL-808R series	EUR	USD

 <p>80-250 VAC power supply included round spot beam profile available options: 2% and 1% stability, fibercoupling, adjustable power 808 nm</p>		
<p>RLTMDL-808R-100-3, 808 nm, 100 mW cw, stability <3%, PSU-FDA</p>	1.900,00	2.165,16
<p>RLTMDL-808R-300-3, 808 nm, 300 mW cw, stability <3%, PSU-FDA</p>	2.352,00	2.680,25
<p>RLTMDL-808R-500-3, 808 nm, 500 mW cw, stability <3%, PSU-FDA</p>	2.743,00	3.125,81
<p>FIBER COUPLED HIGH POWER DIODE LASERS, RLTMFC-808 series</p>	EUR	USD
 <p>100-240 VAC power supply integrated 400µm fiber, 0.22 NA, SMA905 connector cw or pulse operation pulse width, time period, timer adjustable air cooled 808nm</p>		
<p>RLTMFC-808-20W-1, 808 nm, 20 W cw, stability <1%, laser unit 314x290x134 mm</p>	4.086,00	4.656,24
<p>RLTMFC-808-30W-1, 808 nm, 30 W cw, stability <1%, laser unit 314x290x134 mm</p>	4.724,00	5.383,28
<p>RLTMFC-808-40W-1, 808 nm, 40 W cw, stability <1%, laser unit 314x290x134 mm</p>	6.200,00	7.065,27
<p>RLTMFC-808-50W-1, 808 nm, 50 W cw, stability <1%, laser unit 314x290x134 mm</p>	7.086,00	8.074,92
<p>INFRARED LASER DIODE MODULES, RLTMDL-825 series</p>	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 2% and 1% stability, low noise, fibercoupling, adjustable power, modulation 825 nm</p>		
<p>RLTMDL-825-500-3, 825 nm, 500 mW cw, stability <3%, PSU-FDA</p>	1.448,00	1.650,08
<p>RLTMDL-825-1W-3, 825 nm, 1 W cw, stability <3%, PSU-FDA</p>	1.900,00	2.165,16
<p>RLTMDL-825-2W-3, 825 nm, 2 W cw, stability <3%, PSU-FDA</p>	2.743,00	3.125,81
<p>INFRARED LASER DIODE MODULES, RLTMDL-830 series</p>	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 2% and 1% stability, low noise, fibercoupling, adjustable power, modulation 830 nm</p>		
<p>RLTMDL-830-500-3, 830 nm, 500 mW cw, stability <3%, PSU-FDA</p>	1.448,00	1.650,08
<p>RLTMDL-830-1W-3, 830 nm, 1 W cw, stability <3%, PSU-FDA</p>	1.900,00	2.165,16
<p>RLTMDL-830-2W-3, 830 nm, 2 W cw, stability <3%, PSU-FDA</p>	2.743,00	3.125,81
<p>INFRARED LASER DIODE MODULES, RLTMDL-830R series</p>	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 2% and 1% stability, low noise, fibercoupling, adjustable power, modulation 830 nm</p>		
<p>RLTMDL-830R-100-3, 830 nm, 100 mW cw, stability <3%, PSU-FDA</p>	2.352,00	2.680,25
<p>RLTMDL-830R-300-3, 830 nm, 300 mW cw, stability <3%, PSU-FDA</p>	3.171,00	3.613,54
<p>RLTMDL-830R-500-3, 830 nm, 500 mW cw, stability <3%, PSU-FDA</p>	4.086,00	4.656,24
<p>INFRARED LASER DIODE MODULES, RLTMDL-845 series</p>	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, fibercoupling, adjustable power 845 nm</p>		

RLTMDL-845-20-3, 845 nm , 20 mW cw, stability <3%, PSU-FDA	1.238,00	1.410,78
RLTMDL-845-40-3, 845 nm , 40 mW cw, stability <3%, PSU-FDA	1.448,00	1.650,08
INFRARED LASER DIODE MODULES, RLTMDL-852 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, fibercoupling, adjustable power</p> <p>852 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-852-1W-3, 852 nm , 1 W cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMDL-852-1.5W-3, 852 nm , 1.5 W cw, stability <3%, PSU-FDA	1.900,00	2.165,16
INFRARED LASER DIODE MODULES, RLTMDL-879 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, 879 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-879-1W-3, 879 nm , 1 W cw, square beam , stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMDL-879-2W-3, 879 nm , 2 W cw, square beam , stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-879-2.5W-3, 879 nm , 2.5 W cw, square beam , stability <3%, PSU-FDA	2.352,00	2.680,25
INFRARED LASER DIODE MODULES, RLTMDL-880 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, 880 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-880-1W-3, 880 nm , 1 W cw, square beam , stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMDL-880-2W-3, 880 nm , 2 W cw, square beam , stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-880-2.5W-3, 880 nm , 2.5 W cw, square beam , stability <3%, PSU-FDA	2.352,00	2.680,25
INFRARED LASER DIODE MODULES, RLTMDL-885 series	EUR	USD
 <p>80-250 VAC power supply included square beam available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation,</p> <p>885 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-885-500-3, 885 nm , 500 mW cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMDL-885-1W-3, 885 nm , 1 W cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-885-1.5W-3, 885 nm , 1.5 W cw, stability <3%, PSU-FDA	2.352,00	2.680,25
INFRARED DPSS LASERS, RLTMIL-905 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% power stability, low noise, fibercoupling, adjustable power</p> <p>905 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-905L-30-3, 905 nm , 30 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMIL-905L-50-3, 905 nm , 50 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMIL-905L-70-3, 905 nm , 70 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
INFRARED DPSS LASERS, RLTMIL-914 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3%, 2% and 1% power stability, low noise, fibercoupling, adjustable power</p> <p>914 nm</p>	1-3 pcs.	1-3 pcs.

RLTMIL-914-100-5, 914 nm , 100 mW cw, stability <5%, PSU-FDA	1.882,00	2.144,65
RLTMIL-914-200-5, 914 nm , 200 mW cw, stability <5%, PSU-FDA	2.352,00	2.680,25
RLTMIL-914-400-5, 914 nm , 400 mW cw, stability <5%, PSU-FDA	2.823,00	3.216,98
INFRARED LASER DIODE MODULES, RLTMDL-915 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2% and 1% stability, low noise, fibercoupling, adjustable power, round spot 915 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-915-100-3, 915 nm , 100 mW cw, near TEM00 , stability <3%, PSU-FDA	1.238,00	1.410,78
RLTMDL-915-300-3, 915 nm , 300 mW cw, near TEM00 , stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMDL-915-500-3, 915 nm , 500 mW cw, stability <3%, PSU-FDA	1.238,00	1.410,78
RLTMDL-915-1W-3, 915 nm , 1 W cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMDL-915-2W-3, 915 nm , 2 W cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-915-5W-3, 915 nm , 5 W cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMDL-915-8W-3, 915 nm , 8 W cw, stability <3%, PSU-FDA	2.743,00	3.125,81
INFRARED LASER DIODE MODULES, RLTMDL-940 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2% and 1% stability, low noise, fibercoupling, adjustable power, round spot 940 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-940-100-3, 940 nm , 100 mW cw, near TEM00 , stability <3%, PSU-FDA	1.238,00	1.410,78
RLTMDL-940-300-3, 940 nm , 300 mW cw, near TEM00 , stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMDL-940-500-3, 940 nm , 500 mW cw, stability <3%, PSU-FDA	1.238,00	1.410,78
RLTMDL-940-1W-3, 940 nm , 1 W cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMDL-940-2W-3, 940 nm , 2 W cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-940-5W-3, 940 nm , 5 W cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMDL-940-8W-3, 940 nm , 8 W cw, stability <3%, PSU-FDA	2.743,00	3.125,81
INFRARED DPSS LASERS, RLTMIL-946 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% and 1% power stability, low noise, fibercoupling, adjustable power 946 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-946-50-3, 946 nm , 50 mW cw, stability <3%, PSU-FDA	1.882,00	2.144,65
RLTMIL-946-100-3, 946 nm , 100 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMIL-946-200-3, 946 nm , 200 mW cw, stability <3%, PSU-FDA	2.823,00	3.216,98
RLTMIL-946-500-3, 946 nm , 500 mW cw, stability <3%, PSU-FDA	3.677,00	4.190,16
RLTMIL-946-800-3, 946 nm , 800 mW cw, stability <3%, PSU-FDA	4.798,00	5.467,61
INFRARED LASER DIODE MODULES, RLTMDL-965 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, modulation 965 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-965-500-3, 965 nm , 500 mW cw, stability <3%, PSU-FDA	1.238,00	1.410,78
RLTMDL-965-1W-3, 965 nm , 1 W cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-965-2W-3, 965 nm , 2 W cw, stability <3%, PSU-FDA	2.352,00	2.680,25
INFRARED LASER DIODE MODULES, RLTMDL-965R series	EUR	USD


 <p>80-250 VAC power supply included round beam profile available options: 2%, 1% and 0.5% stability, fibercoupling, adjustable power, modulation 965 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-965R-100-3, 965 nm , 100 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMDL-965R-300-3, 965 nm , 300 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
RLTMDL-965R-500-3, 965 nm , 500 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
INFRARED LASER DIODE MODULES, RLTMDL-975 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 2% and 1% stability, fibercoupling, adjustable power, modulation 975 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-975-500-3, 975±5 nm , 500 mW cw, stability <3%, PSU-FDA	1.238,00	1.410,78
RLTMDL-975-1W-3, 975±5 nm , 1 W cw, stability <3%, PSU-FDA	1.312,00	1.495,10
RLTMDL-975-3W-3, 975±5 nm , 3 W cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMDL-975-5W-3, 975±5 nm , 5 W cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-975-10W-3, 975±5 nm , 10 W cw, stability <3%, PSU-FDA	2.743,00	3.125,81
INFRARED LASER DIODE MODULES, RLTMDL-975R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 2% and 1% stability, fibercoupling, adjustable power, modulation 975 nm ROUND BEAM</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-975R-100-3, 975±5 nm , 100 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-975R-300-3, 975±5 nm , 300 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMDL-975R-500-3, 975±5 nm , 500 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
INFRARED LASER DIODE MODULES, RLTMDL-980 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot 980 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-980-500-3, 980±10 nm , 500 mW cw, stability <3%, PSU-FDA	1.238,00	1.410,78
RLTMDL-980-1W-3, 980±10 nm , 1 W cw, stability <3%, PSU-FDA	1.312,00	1.495,10
RLTMDL-980-3W-3, 980±10 nm , 3 W cw, stability <3%, PSU-FDA	1.448,00	1.650,08
RLTMDL-980-5W-3, 980±10 nm , 5 W cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-980-10W-3, 980±10 nm , 10 W cw, stability <3%, PSU-FDA	2.743,00	3.125,81
INFRARED LASER DIODE MODULES, RLTMDL-980R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 2% and 1% stability, fibercoupling, adjustable power, modulation 980 nm ROUND BEAM</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-980R-100-3, 980±10 nm , 100 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMDL-980R-300-3, 980±10 nm , 300 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMDL-980R-500-3, 980±10 nm , 500 mW cw, stability <3%, PSU-FDA	2.743,00	3.125,81
FIBER COUPLED HIGH POWER DIODE LASERS, RLTMFC-980 series	EUR	USD

 <p>100-240 VAC power supply integrated 400µm fiber, 0.22 NA, SMA905 connector cw or pulse operation pulse width, puls period, timer adjustable air cooled 980nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMFC-980-1W-1, 980 nm , 1 W cw, stability <1%, laser unit 243x249x127 mm	3.171,00	3.613,54
RLTMFC-980-2W-1, 980 nm , 2 W cw, stability <1%, laser unit 243x249x127 mm	3.343,00	3.809,55
RLTMFC-980-4W-1, 980 nm , 4 W cw, stability <1%, laser unit 243x249x127 mm	3.771,00	4.297,28
RLTMFC-980-8W-1, 980 nm , 8 W cw, stability <1%, laser unit 243x249x127 mm	4.798,00	5.467,61
RLTMFC-980-25W-1, 980 nm , 25 W cw, stability <1%, laser unit 314x290x134 mm	4.952,00	5.643,10
RLTMFC-980-30W-1, 980 nm , 30 W cw, stability <1%, laser unit 314x290x134 mm	5.019,00	5.719,45
RLTMFC-980-50W-1, 980 nm , 50 W cw, stability <1%, laser unit 314x290x134 mm	7.086,00	8.074,92
INFRARED DPSS LASERS, RLTMIL-1030 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5%, 2% and 1% power stability, low noise, fibercoupling, adjustable power 1030 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1030-30-3, 1030 nm , 30 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMIL-1030-50-3, 1030 nm , 50 mW cw, stability <3%, PSU-FDA	3.677,00	4.190,16
RLTMIL-1030-80-3, 1030 nm , 80 mW cw, stability <3%, PSU-FDA	4.086,00	4.656,24
RLTMIL-1030-100-3, 1030 nm , 100 mW cw, stability <3%, PSU-FDA	4.798,00	5.467,61
INFRARED DPSS LASERS, RLTMIL-1040 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5%, 2% and 1% power stability, low noise, fibercoupling, adjustable power 1040 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1030-30-3, 1040 nm , 30 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMIL-1040-50-3, 1040 nm , 50 mW cw, stability <3%, PSU-FDA	3.677,00	4.190,16
RLTMIL-1040-80-3, 1040 nm , 80 mW cw, stability <3%, PSU-FDA	4.086,00	4.656,24
RLTMIL-1040-100-3, 1040 nm , 100 mW cw, stability <3%, PSU-FDA	4.798,00	5.467,61
INFRARED DPSS LASERS, RLTMIL-1047 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% power stability, low noise, fibercoupling, adjustable power, 1047 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1047-50-3, 1047 nm , 50 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMIL-1047-100-3, 1047 nm , 100 mW cw, stability <3%, PSU-FDA	2.614,00	2.978,81
RLTMIL-1047-300-3, 1047 nm , 300 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMIL-1047-500-3, 1047 nm , 500 mW cw, stability <3%, PSU-FDA	3.677,00	4.190,16
RLTMIL-1047-800-3, 1047 nm , 800 mW cw, stability <3%, PSU-FDA	4.304,00	4.904,67
RLTMIL-1047-1W-3, 1047 nm , 1 W cw, stability <3%, PSU-FDA	4.798,00	5.467,61
INFRARED DPSS LASERS, RLTMIL-1053 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5%, 2% and 1% power stability, low noise, modulation input, adjustable power, fibercoupling 1053 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1053-100-3, 1053 nm , 100 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMIL-1053-300-3, 1053 nm , 300 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55






RLTMIL-1053-500-3, 1053 nm , 500 mW cw, stability <3%, PSU-FDA	3.677,00	4.190,16
RLTMIL-1053-1W-3, 1053 nm , 1000 mW cw, stability <3%, PSU-FDA	4.798,00	5.467,61
INFRARED Q-SWITCHED PULSED LASERS, RLTMPL-1053 series	EUR	USD
 <p>80-250 VAC power supply included Q-switched pulsed operation different repetition rate available (1-5kHz) 5%, 2% and 1% power stability available 1053 nm pulsed</p>	1-3 pcs.	1-3 pcs.
RLTMPL-1053-10-3, 1053 nm , 10 µJ, pulse length ~10ns, stability <3%, PSU-FDA	5.757,00	6.560,45
RLTMPL-1053-20-3, 1053 nm , 20 µJ, pulse length ~10ns, stability <3%, PSU-FDA	6.717,00	7.654,42
RLTMPL-1053-30-3, 1053 nm , 30 µJ, pulse length ~10ns, stability <3%, PSU-FDA	7.676,00	8.747,26
RLTMPL-1053-50-3, 1053 nm , 50 µJ, pulse length ~10ns, stability <3%, PSU-FDA	8.079,00	9.206,51
INFRARED DIODE LASERS, RLTM DL-1060 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2% and 1% power stability, low noise, fibercoupling, adjustable power, 1060 nm</p>	1-3 pcs.	1-3 pcs.
RLTM DL-1060-100-5, 1060 nm , 100 mW cw, near TEM00 , stability <3%, PSU-FDA	1.238,00	1.410,78
RLTM DL-1060-200-5, 1060 nm , 200 mW cw, near TEM00 , stability <3%, PSU-FDA	1.448,00	1.650,08
RLTM DL-1060-300-5, 1060 nm , 300 mW cw, near TEM00 , stability <3%, PSU-FDA	1.900,00	2.165,16
RLTM DL-1060-500-5, 1060 nm , 500 mW cw, square beam , stability <3%, PSU-FDA	1.238,00	1.410,78
RLTM DL-1060-1W-5, 1060 nm , 1 W cw, square beam , stability <3%, PSU-FDA	1.448,00	1.650,08
RLTM DL-1060-2W-5, 1060 nm , 2 W cw, square beam , stability <3%, PSU-FDA	1.900,00	2.165,16
INFRARED DPSS LASERS, RLTMIL-1064 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2% and 1% power stability, modulation input, fibercoupling, adjustable power 1064 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1064-300-3, 1064 nm , 300 mW cw, stability <3%, PSU-FDA	1.238,00	1.410,78
RLTMIL-1064-500-3, 1064 nm , 500 mW cw, stability <3%, PSU-FDA	1.411,00	1.607,92
RLTMIL-1064-800-3, 1064 nm , 800 mW cw, stability <3%, PSU-FDA	1.647,00	1.876,86
RLTMIL-1064-1W-3, 1064 nm , 1 W cw, stability <3%, PSU-FDA	1.882,00	2.144,65
RLTMIL-1064-2W-3, 1064 nm , 2 W cw, stability <3%, PSU-FDA	2.823,00	3.216,98
RLTMIL-1064-3W-3, 1064 nm , 3 W cw, stability <3%, PSU-FDA	3.343,00	3.809,55
INFRARED DPSS LASERS, RLTMIL-H-1064 HIGH POWER series	EUR	USD
 <p>80-250 VAC power supply included available options: stability 3%, 2% and 1%, modulation input, fibercoupling, adjustable power 1064 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1064-5W-5, 1064 nm , 5 W cw, stability <5%, PSU-FDA	4.798,00	5.467,61
RLTMIL-1064-8W-5, 1064 nm , 8 W cw, stability <5%, PSU-FDA	7.676,00	8.747,26
RLTMIL-1064-10W-5, 1064 nm , 10 W cw, stability <5%, PSU-FDA	8.976,00	10.228,69
RLTMIL-1064-15W-5, 1064 nm , 15 W cw, stability <5%, PSU-FDA	12.567,00	14.320,85
RLTMIL-1064-20W-5, 1064 nm , 20 W cw, stability <5%, PSU-FDA	18.522,00	21.106,93
INFRARED DPSS LASERS, RLTCO-1064 HIGH POWER series	EUR	USD
		

RLTMIL-1085-500-3, 1085 nm , 500 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMIL-1085-1W-3, 1085 nm , 1 W cw, stability <3%, PSU-FDA	5.373,00	6.122,86
INFRARED DPSS LASERS, RLTMIL-1112 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5%, 2% and 1% power stability, low noise, modulation, adjustable power, fibercoupling 1112 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1112-30-3, 1112 nm , 30 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMIL-1112-50-3, 1112 nm , 50 mW cw, stability <3%, PSU-FDA	3.550,00	4.045,44
RLTMIL-1112-100-3, 1112 nm , 100 mW cw, stability <3%, PSU-FDA	4.086,00	4.656,24
RLTMIL-1112-300-3, 1112 nm , 300 mW cw, stability <3%, PSU-FDA	6.717,00	7.654,42
RLTMIL-1112-500-3, 1112 nm , 500 mW cw, stability <3%, PSU-FDA	8.079,00	9.206,51
INFRARED DPSS LASERS, RLTMIL-1122 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5%, 2% and 1% power stability, low noise, modulation input, adjustable power, fibercoupling 1122 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1122-50-3, 1122 nm , 50 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMIL-1122-100-3, 1122 nm , 100 mW cw, stability <3%, PSU-FDA	3.677,00	4.190,16
RLTMIL-1122-200-3, 1122 nm , 200 mW cw, stability <3%, PSU-FDA	4.086,00	4.656,24
RLTMIL-1122-500-3, 1122 nm , 500 mW cw, stability <3%, PSU-FDA	5.757,00	6.560,45
RLTMIL-1122-800-3, 1122 nm , 800 mW cw, stability <3%, PSU-FDA	6.717,00	7.654,42
RLTMIL-1122-1W-3, 1122 nm , 1 W cw, stability <3%, PSU-FDA	8.079,00	9.206,51
INFRARED DPSS LASERS, RLTMIL-1177 series	EUR	USD
 <p>80-250 VAC power supply included available options: 10% and 3% power stability, low noise, modulation, adjustable power, fibercoupling 1177 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1177-30-5, 1177 nm , 30 mW cw, stability <5%, PSU-FDA	3.677,00	4.190,16
RLTMIL-1177-50-5, 1177 nm , 50 mW cw, stability <5%, PSU-FDA	3.821,00	4.354,26
RLTMIL-1177-100-5, 1177 nm , 100 mW cw, stability <5%, PSU-FDA	4.499,00	5.126,88
RLTMIL-1177-150-5, 1177 nm , 150 mW cw, stability <5%, PSU-FDA	4.798,00	5.467,61
INFRARED DIODE LASERS, RLTMIL-1310 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2% and 1% power stability, low noise, modulation input, adjustable power, fibercoupling, Q-switched 1310 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1310-10-3, 1310 nm , 10 mW cw, stability <3%, PSU-FDA	1.900,00	2.165,16
RLTMIL-1310-20-3, 1310 nm , 20 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
INFRARED DPSS LASERS, RLTMIL-1313 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5%, 2% and 1% power stability, low noise, modulation input, adjustable power, fibercoupling, Q-switched 1313 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1313-100-3, 1313 nm , 100 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMIL-1313-300-3, 1313 nm , 300 mW cw, stability <3%, PSU-FDA	4.086,00	4.656,24
RLTMIL-1313-500-3, 1313 nm , 500 mW cw, stability <3%, PSU-FDA	5.757,00	6.560,45
RLTMIL-1313-1W-3, 1313 nm , 1 W cw, stability <3%, PSU-FDA	8.079,00	9.206,51




INFRARED DPSS LASERS, RLTMIL-1319 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5%, 2% and 1% power stability, low noise, modulation, adjustable power, fibercoupling, Q-switched 1319 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1319-50-3, 1319 nm , 50 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMIL-1319-100-3, 1319 nm , 100 mW cw, stability <3%, PSU-FDA	2.819,00	3.212,42
RLTMIL-1319-300-3, 1319 nm , 300 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMIL-1319-500-3, 1319 nm , 500 mW cw, stability <3%, PSU-FDA	4.086,00	4.656,24
RLTMIL-1319-800-3, 1319 nm , 800 mW cw, stability <3%, PSU-FDA	4.798,00	5.467,61
RLTMIL-1319-1W-3, 1319 nm , 1 W cw, stability <3%, PSU-FDA	6.717,00	7.654,42
RLTMIL-1319-1.5W-3, 1319 nm , 1.5 W cw, stability <3%, PSU-FDA	8.079,00	9.206,51
INFRARED DPSS LASERS, RLTMIL-1342 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5%, 2% and 1% power stability, low noise, single longitudinal, modulation, adjustable power, fibercoupling 1342 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1342-100-3, 1342 nm , 100 mW cw, stability <3%, PSU-FDA	1.882,00	2.144,65
RLTMIL-1342-300-3, 1342 nm , 300 mW cw, stability <3%, PSU-FDA	2.352,00	2.680,25
RLTMIL-1342-500-3, 1342 nm , 500 mW cw, stability <3%, PSU-FDA	2.823,00	3.216,98
RLTMIL-1342-800-3, 1342 nm , 800 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMIL-1342-1W-3, 1342 nm , 1W cw, stability <3%, PSU-FDA	4.086,00	4.656,24
RLTMIL-1342-2W-3, 1342 nm , 2W cw, stability <3%, PSU-FDA	7.676,00	8.747,26
INFRARED DPSS LASERS, RLTMIL-1342 HIGH POWER series	EUR	USD
 <p>80-250 VAC power supply included available options: 5%, 2% and 1% power stability, modulation input, adjustable power, fibercoupling 1342 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1342-3W-3, 1342 nm , 3 W cw, stability <3%, PSU-FDA	8.976,00	10.228,69
RLTMIL-1342-5W-3, 1342 nm , 5 W cw, stability <3%, PSU-FDA	14.362,00	16.366,36
RLTMIL-1342-6W-3, 1342 nm , 6 W cw, stability <3%, PSU-FDA	16.838,00	19.187,91
INFRARED DPSS LASERS, RLTMIL-1413 series	EUR	USD
 <p>80-250 VAC power supply included available options: 10% and 3% power stability, low noise, single longitudinal, modulation, adjustable power, fibercoupling 1413 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1413-50-5, 1413 nm , 50 mW cw, stability <5%, PSU-FDA	3.343,00	3.809,55
RLTMIL-1413-100-5, 1413 nm , 100 mW cw, stability <5%, PSU-FDA	4.798,00	5.467,61
RLTMIL-1413-200-5, 1413 nm , 200 mW cw, stability <5%, PSU-FDA	5.757,00	6.560,45
RLTMIL-1413-300-5, 1413 nm , 300 mW cw, stability <5%, PSU-FDA	7.676,00	8.747,26
INFRARED LASER DIODE MODULES, RLTMDL-1440 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, round spot 1440 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-1440-100-2, 1440 nm , 100 mW cw, stability <2%, PSU-FDA	1.900,00	2.165,16
RLTMDL-1440-300-2, 1440 nm , 300 mW cw, stability <2%, PSU-FDA	2.171,00	2.473,98
RLTMDL-1440-500-2, 1440 nm , 500 mW cw, stability <2%, PSU-FDA	2.352,00	2.680,25

RLTMDL-1440-1W-2, 1440 nm , 1 W cw, stability <2%, PSU-FDA	3.600,00	4.102,42
RLTMDL-1440-2W-2, 1440 nm , 2 W cw, stability <2%, PSU-FDA	3.693,00	4.208,40
RLTMDL-1440-3W-2, 1440 nm , 3 W cw, stability <2%, PSU-FDA	4.086,00	4.656,24
INFRARED LASER DIODE MODULES, RLTMDL-1440R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 1440 nm ROUND BEAM</p>	1-3 pcs.	1-3 pcs.
RLTMDL-1440R-50-2, 1440 nm , 50 mW cw, round beam, stability <2%, PSU-FDA	2.743,00	3.125,81
RLTMDL-1440R-100-2, 1440 nm , 100 mW cw, round beam, stability <2%, PSU-FDA	3.343,00	3.809,55
RLTMDL-1440R-150-2, 1440 nm , 150 mW cw, round beam, stability <2%, PSU-FDA	3.693,00	4.208,40
INFRARED DPSS LASERS, RLTMIL-1444 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% and 2% power stability, low noise, modulation, adjustable power, fibercoupling 1444 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1444-50-3, 1444 nm , 50 mW cw, stability <3%, PSU-FDA	3.343,00	3.809,55
RLTMIL-1444-100-3, 1444 nm , 100 mW cw, stability <3%, PSU-FDA	4.798,00	5.467,61
RLTMIL-1444-200-3, 1444 nm , 200 mW cw, stability <3%, PSU-FDA	5.757,00	6.560,45
RLTMIL-1444-400-3, 1444 nm , 400 mW cw, stability <3%, PSU-FDA	8.079,00	9.206,51
INFRARED LASER DIODE MODULES, RLTMDL-1450 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, round spot 1450 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-1450-100-2, 1450 nm , 100 mW cw, stability <2%, PSU-FDA	1.900,00	2.165,16
RLTMDL-1450-300-2, 1450 nm , 300 mW cw, stability <2%, PSU-FDA	2.171,00	2.473,98
RLTMDL-1450-500-2, 1450 nm , 500 mW cw, stability <2%, PSU-FDA	2.352,00	2.680,25
RLTMDL-1450-1W-2, 1450 nm , 1 W cw, stability <2%, PSU-FDA	3.600,00	4.102,42
RLTMDL-1450-2W-2, 1450 nm , 2 W cw, stability <2%, PSU-FDA	3.693,00	4.208,40
RLTMDL-1450-3W-2, 1450 nm , 3 W cw, stability <2%, PSU-FDA	4.086,00	4.656,24
INFRARED LASER DIODE MODULES, RLTMDL-1450R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 1450 nm ROUND BEAM</p>	1-3 pcs.	1-3 pcs.
RLTMDL-1450R-50-2, 1450 nm , 50 mW cw, round beam, stability <2%, PSU-FDA	2.743,00	3.125,81
RLTMDL-1450R-100-2, 1450 nm , 100 mW cw, round beam, stability <2%, PSU-FDA	3.343,00	3.809,55
RLTMDL-1450R-150-2, 1450 nm , 150 mW cw, round beam, stability <2%, PSU-FDA	3.693,00	4.208,40
INFRARED LASER DIODE MODULES, RLTMDL-1470 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power, round spot 1470 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-1470-100-2, 1470 nm , 100 mW cw, stability <2%, PSU-FDA	1.900,00	2.165,16
RLTMDL-1470-300-2, 1470 nm , 300 mW cw, stability <2%, PSU-FDA	2.171,00	2.473,98
RLTMDL-1470-500-2, 1470 nm , 500 mW cw, stability <2%, PSU-FDA	2.352,00	2.680,25
RLTMDL-1470-1W-2, 1470 nm , 1 W cw, stability <2%, PSU-FDA	3.600,00	4.102,42

RLTMDL-1470-2W-2, 1470 nm , 2 W cw, stability <2%, PSU-FDA	3.693,00	4.208,40
RLTMDL-1470-3W-2, 1470 nm , 3 W cw, stability <2%, PSU-FDA	4.086,00	4.656,24
INFRARED LASER DIODE MODULES, RLTMDL-1470R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 1470 nm ROUND BEAM</p>	1-3 pcs.	1-3 pcs.
RLTMDL-1470R-50-2, 1470 nm , 50 mW cw, round beam, stability <2%, PSU-FDA	2.743,00	3.125,81
RLTMDL-1457R-100-2, 1470 nm , 100 mW cw, round beam, stability <2%, PSU-FDA	3.343,00	3.809,55
RLTMDL-1470R-150-2, 1470 nm , 150 mW cw, round beam, stability <2%, PSU-FDA	3.693,00	4.208,40
INFRARED LASER DIODE MODULES, RLTMDL-1532 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power 1532nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-1532-100-2, 1532 nm , 100 mW cw, stability <2%, PSU-FDA	1.900,00	2.165,16
RLTMDL-1532-300-2, 1532 nm , 300 mW cw, stability <2%, PSU-FDA	2.171,00	2.473,98
RLTMDL-1532-500-2, 1532 nm , 500 mW cw, stability <2%, PSU-FDA	2.352,00	2.680,25
RLTMDL-1532-1W-2, 1532 nm , 1 W cw, stability <2%, PSU-FDA	3.600,00	4.102,42
RLTMDL-1532-2W-2, 1532 nm , 2 W cw, stability <2%, PSU-FDA	3.693,00	4.208,40
RLTMDL-1532-3W-2, 1532 nm , 3 W cw, stability <2%, PSU-FDA	4.086,00	4.656,24
INFRARED LASER DIODE MODULES, RLTMDL-1532R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 1532 nm ROUND BEAM</p>	1-3 pcs.	1-3 pcs.
RLTMDL-1532R-50-2, 1532 nm , 50 mW cw, round beam, stability <2%, PSU-FDA	3.693,00	4.208,40
RLTMDL-1532R-100-2, 1532 nm , 100 mW cw, round beam, stability <2%, PSU-FDA	4.086,00	4.656,24
RLTMDL-1532R-200-2, 1532 nm , 200 mW cw, flat top beam, stability <2%, PSU-FDA	4.798,00	5.467,61
INFRARED LASER DIODE MODULES, RLTMDL-1550 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2%, 1% and 0.5% stability, low noise, fibercoupling, adjustable power 1550 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-1550-100-2, 1550 nm , 100 mW cw, stability <2%, PSU-FDA	1.900,00	2.165,16
RLTMDL-1550-300-2, 1550 nm , 300 mW cw, stability <2%, PSU-FDA	2.171,00	2.473,98
RLTMDL-1550-500-2, 1550 nm , 500 mW cw, stability <2%, PSU-FDA	2.352,00	2.680,25
RLTMDL-1550-1W-2, 1550 nm , 1 W cw, stability <2%, PSU-FDA	3.600,00	4.102,42
RLTMDL-1550-2W-2, 1550 nm , 2 W cw, stability <2%, PSU-FDA	3.693,00	4.208,40
RLTMDL-1550-3W-2, 1550 nm , 3 W cw, stability <2%, PSU-FDA	4.086,00	4.656,24
INFRARED LASER DIODE MODULES, RLTMDL-1550R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 1550nm ROUND BEAM</p>	1-3 pcs.	1-3 pcs.
RLTMDL-1550R-50-2, 1550 nm , 50 mW cw, round beam, stability <2%, PSU-FDA	3.693,00	4.208,40
RLTMDL-1550R-100-2, 1550 nm , 100 mW cw, round beam, stability <2%, PSU-FDA	4.086,00	4.656,24
RLTMDL-1550R-200-2, 1550 nm , 200 mW cw, flat top beam, stability <2%, PSU-FDA	4.798,00	5.467,61

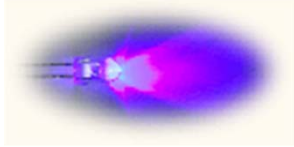
IR DPSS AOM Q-SWITCHED PULSED LASERS, RLTAOL-1573 series		EUR	USD
 <p>AOM (Acusto-Optic Modulation) Q-switched Laser 1-50 kHz Option: 3% power stability 80-250 VAC power supply included</p> <p>1573 nm AOM Q-switched</p>			
		1-3 pcs.	1-3 pcs.
RLTAOL-1573-100-5, 1573 nm , 100 mW @ 30 kHz, 3 µJ, ~10 ns, stability <5%, PSU-FDA		10.771,00	12.274,20
RLTAOL-1573-300-5, 1573 nm , 300 mW @ 30 kHz, 10 µJ, ~10 ns, stability <5%, PSU-FDA		12.567,00	14.320,85
RLTAOL-1573-500-5, 1573 nm , 500 mW @ 30 kHz, 15 µJ, ~10 ns, stability <5%, PSU-FDA		14.362,00	16.366,36
RLTAOL-1573-1W-5, 1573 nm , 1W @ 30 kHz, 35 µJ, ~10 ns, stability <5%, PSU-FDA		16.838,00	19.187,91
INFRARED DIODE PUMPED LASER MODULES - RLTMIL-1645 series		EUR	USD
 <p>80-250 VAC power supply included available options: 10% stability, fibercoupling, adjustable power, modulation</p> <p>1645 nm</p>			
		1-3 pcs.	1-3 pcs.
RLTMIL-1645-100-5, 1645 nm , 100 mW cw, stability <5%, PSU-FDA		14.362,00	16.366,36
RLTMIL-1645-300-5, 1645 nm , 300 mW cw, stability <5%, PSU-FDA		15.154,00	17.268,89
RLTMIL-1645-500-5, 1645 nm , 500 mW cw, stability <5%, PSU-FDA		16.838,00	19.187,91
RLTMIL-1645-800-5, 1645 nm , 800 mW cw, stability <5%, PSU-FDA		18.522,00	21.106,93
RLTMIL-1645-1W-5, 1645 nm , 1 W cw, stability <5%, PSU-FDA		21.890,00	24.944,97
INFRARED LASER DIODE MODULES, RLTMDL-1870 series		EUR	USD
 <p>80-250 VAC power supply included available options: 2% and 1% stability, fibercoupling, adjustable power</p> <p>1870 nm</p>			
RLTMDL-1870-100-3, 1870 nm , 100 mW cw, stability <3%, PSU-FDA		5.757,00	6.560,45
RLTMDL-1870-200-3, 1870 nm , 200 mW cw, stability <3%, PSU-FDA		6.717,00	7.654,42
RLTMDL-1870-300-3, 1870 nm , 300 mW cw, stability <3%, PSU-FDA		7.676,00	8.747,26
RLTMDL-1870-500-3, 1870 nm , 500 mW cw, stability <3%, PSU-FDA		8.079,00	9.206,51
RLTMDL-1870-800-3, 1870 nm , 800 mW cw, stability <3%, PSU-FDA		8.977,00	10.229,83
INFRARED LASER DIODE MODULES, RLTMDL-1900 series		EUR	USD
 <p>80-250 VAC power supply included available options: 2% and 1% stability, fibercoupling, adjustable power</p> <p>1900 nm</p>			
RLTMDL-1900-100-3, 1900 nm , 100 mW cw, stability <3%, PSU-FDA		5.757,00	6.560,45
RLTMDL-1900-200-3, 1900 nm , 200 mW cw, stability <3%, PSU-FDA		6.717,00	7.654,42
RLTMDL-1900-300-3, 1900 nm , 300 mW cw, stability <3%, PSU-FDA		7.676,00	8.747,26
RLTMDL-1900-500-3, 1900 nm , 500 mW cw, stability <3%, PSU-FDA		8.079,00	9.206,51
RLTMDL-1900-800-3, 1900 nm , 800 mW cw, stability <3%, PSU-FDA		8.977,00	10.229,83
INFRARED DIODE PUMPED LASER MODULES - RLTMIL-1910 series		EUR	USD
 <p>80-250 VAC power supply included available options: 10%,and 5%, stability, fibercoupling, adjustable power, modulation</p> <p>1910 nm</p>			
		1-3 pcs.	1-3 pcs.
RLTMIL-1910-200-3, 1910 nm , 200 mW cw, stability <3%, PSU-FDA		8.976,00	10.228,69
RLTMIL-1910-300-3, 1910 nm , 300 mW cw, stability <3%, PSU-FDA		10.771,00	12.274,20
RLTMIL-1910-600-3, 1910 nm , 600 mW cw, stability <3%, PSU-FDA		12.567,00	14.320,85
RLTMIL-1910-1W-5, 1910 nm , 1 W cw, stability <5%, PSU-FDA		16.838,00	19.187,91

RLTMIL-1910-3W-5, 1910 nm , 3 W cw, stability <5%, PSU-FDA	20.206,00	23.025,95
RLTMIL-1910-5W-5, 1910 nm , 5 W cw, stability <5%, PSU-FDA	23.573,00	26.862,85
RLTMIL-1910-10W-5, 1910 nm , 10 W cw, stability <5%, PSU-FDA	30.309,00	34.538,92
RLTMIL-1910-13W-5, 1910 nm , 13 W cw, stability <5%, PSU-FDA	33.676,00	38.375,82
INFRARED LASER DIODE MODULES, RLTMDL-1940 series	EUR	USD
 <p>80-250 VAC power supply included available options: 2% and 1% stability, fibercoupling, adjustable power 1940 nm</p>		
RLTMDL-1940-100-3, 1940 nm , 100 mW cw, stability <3%, PSU-FDA	5.757,00	6.560,45
RLTMDL-1940-200-3, 1940 nm , 200 mW cw, stability <3%, PSU-FDA	6.717,00	7.654,42
RLTMDL-1940-300-3, 1940 nm , 300 mW cw, stability <3%, PSU-FDA	7.676,00	8.747,26
RLTMDL-1940-500-3, 1940 nm , 500 mW cw, stability <3%, PSU-FDA	8.079,00	9.206,51
RLTMDL-1940-800-3, 1940 nm , 800 mW cw, stability <3%, PSU-FDA	8.977,00	10.229,83
INFRARED DIODE PUMPED LASER MODULES - RLTMIL-1940 series	EUR	USD
 <p>80-250 VAC power supply included available options: 10% and 5% stability, fibercoupling, adjustable power, modulation 1940 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1940-200-3, 1940 nm , 200 mW cw, stability <3%, PSU-FDA	8.976,00	10.228,69
RLTMIL-1940-300-3, 1940 nm , 300 mW cw, stability <3%, PSU-FDA	10.771,00	12.274,20
RLTMIL-1940-600-3, 1940 nm , 600 mW cw, stability <3%, PSU-FDA	12.567,00	14.320,85
RLTMIL-1940-1W-5, 1940 nm , 1 W cw, stability <5%, PSU-FDA	16.838,00	19.187,91
RLTMIL-1940-3W-5, 1940 nm , 3 W cw, stability <5%, PSU-FDA	20.206,00	23.025,95
RLTMIL-1940-5W-5, 1940 nm , 5 W cw, stability <5%, PSU-FDA	23.573,00	26.862,85
RLTMIL-1940-10W-5, 1940 nm , 10 W cw, stability <5%, PSU-FDA	30.309,00	34.538,92
RLTMIL-1940-13W-5, 1940 nm , 13 W cw, stability <5%, PSU-FDA	33.676,00	38.375,82
INFRARED DIODE PUMPED LASER MODULES - RLTMIL-1985 series	EUR	USD
 <p>80-250 VAC power supply included available options: 10%, 3%, 2% and 1% stability, fibercoupling, adjustable power, modulation 1985nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1985-200-5, 1985 nm , 200 mW cw, stability <5%, PSU-FDA	8.976,00	10.228,69
RLTMIL-1985-400-5, 1985 nm , 400 mW cw, stability <5%, PSU-FDA	10.771,00	12.274,20
RLTMIL-1985-600-5, 1985 nm , 600 mW cw, stability <5%, PSU-FDA	12.567,00	14.320,85
RLTMIL-1985-1W-5, 1985 nm , 1 W cw, stability <5%, PSU-FDA	16.838,00	19.187,91
RLTMIL-1985-3W-5, 1985 nm , 3 W cw, stability <5%, PSU-FDA	20.206,00	23.025,95
RLTMIL-1985-5W-5, 1985 nm , 5 W cw, stability <5%, PSU-FDA	23.573,00	26.862,85
RLTMIL-1985-10W-5, 1985 nm , 10 W cw, stability <5%, PSU-FDA	30.309,00	34.538,92
INFRARED DIODE PUMPED LASER MODULES - RLTMIL-1990 series	EUR	USD
 <p>80-250 VAC power supply included available options: 10%, 3%, 2% and 1% stability, fibercoupling, adjustable power, modulation 1990nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1990-200-5, 1990 nm , 200 mW cw, stability <5%, PSU-FDA	8.976,00	10.228,69
RLTMIL-1990-400-5, 1990 nm , 400 mW cw, stability <5%, PSU-FDA	10.771,00	12.274,20
RLTMIL-1990-600-5, 1990 nm , 600 mW cw, stability <5%, PSU-FDA	12.567,00	14.320,85
RLTMIL-1990-1W-5, 1990 nm , 1 W cw, stability <5%, PSU-FDA	16.838,00	19.187,91
RLTMIL-1990-3W-5, 1990 nm , 3 W cw, stability <5%, PSU-FDA	20.206,00	23.025,95
RLTMIL-1990-5W-5, 1990 nm , 5 W cw, stability <5%, PSU-FDA	23.573,00	26.862,85
RLTMIL-1990-10W-5, 1990 nm , 10 W cw, stability <5%, PSU-FDA	30.309,00	34.538,92

INFRARED DIODE PUMPED LASER MODULES - RLTMIL-2096 series		EUR	USD
 <p>80-250 VAC power supply included available options: 5% stability, fibercoupling, adjustable power, modulation 2096nm</p>			
		1-3 pcs.	1-3 pcs.
RLTMIL-2096-1W-3, 2096 nm , 1 W cw, stability <3%, PSU-FDA		16.838,00	19.187,91
RLTMIL-2096-2W-3, 2096 nm , 2 W cw, stability <3%, PSU-FDA		20.206,00	23.025,95
RLTMIL-2096-3W-3, 2096 nm , 3 W cw, stability <3%, PSU-FDA		25.257,00	28.781,87
INFRARED LASER DIODE MODULES, RLTMDL-2200 series		EUR	USD
 <p>80-250 VAC power supply included available options: 2% and 1% stability, low noise, fibercoupling, adjustable power 2200 nm</p>			
RLTMDL-2200-50-3, 2200 nm , 50 mW cw, stability <3%, PSU-FDA		5.757,00	6.560,45
RLTMDL-2200-100-3, 2200 nm , 100 mW cw, stability <3%, PSU-FDA		6.717,00	7.654,42
RLTMDL-2200-300-3, 2200 nm , 300 mW cw, stability <3%, PSU-FDA		7.676,00	8.747,26
RLTMDL-2200-400-3, 2200 nm , 400 mW cw, stability <3%, PSU-FDA		8.079,00	9.206,51
IR DPSS Q-SWITCHED PULSED LASERS, RLTMPL-3800 series		EUR	USD
 <p>Passively Q-switched Laser 5 - 15 kHz Option: 5% power stability 80-250 VAC power supply included</p>			
		1-3 pcs.	1-3 pcs.
RLTMPL-3800-100-3, 3800 nm , 100 mW avg, 5-10ns pulse, 5-15 kHz rep.rate, <3%, PSU-FDA		16.838,00	19.187,91
RLTMPL-3800-200-3, 3800 nm , 200 mW avg, 5-10ns pulse, 5-15 kHz rep.rate, <3%, PSU-FDA		20.206,00	23.025,95
RLTMPL-3800-300-3, 3800 nm , 300 mW avg, 5-10ns pulse, 5-15 kHz rep.rate, <3%, PSU-FDA		23.573,00	26.862,85
LEDS - DEEP-UV / TO-CAN			
DEEP UV SINGLE EMITTER LEDs 235 nm - 340 nm TO-Can		EUR	USD
 <p>single emitter DEEP-UV LEDs</p> <ul style="list-style-type: none"> - TO18 or TO39 can - quartz glass lens - water purification / disinfection / phototherapy DNA sequencing, Blood Gas Measurements <p>255 nm - 340 nm</p>			
		1-10 pcs.	1-10 pcs.
255 nm			
UVTOP250-HL-TO39, 255 ± 5 nm , 0.3 mW at 20 mA, TO-39, hemispherical lens		420,75	479,47
265 nm			
UVTOP260-HL-TO39, 265 ± 5 nm , 0.6 mW at 20 mA, TO-39, hemispherical lens		284,60	324,32
DUV265-OC39, 265 ± 5 nm , 0.9 mW at 20 mA, ± 72°, TO-39, open can		127,90	145,75
DUV265-OC46, 265 ± 5 nm , 0.9 mW at 20 mA, ± 72°, TO-46S, open can		145,70	166,03
DUV265-FW5, 265 ± 5 nm , 0.6 mW at 20 mA, ± 58°, TO-5, flat window		134,40	153,16
DUV265-FW18, 265 ± 5 nm , 0.4 mW at 20 mA, ± 55°, TO-18, flat window		145,71	166,05
DUV265-HL5N, 265 ± 5 nm , 0.3 mW at 20 mA, ± 3°, TO-5, hemispherical lens		160,29	182,66
DUV265-HL46N, 265 ± 5 nm , 0.3 mW at 20 mA, ± 3°, TO-46S, hemispherical lens		160,29	182,66
DUV265-HL18M, 265 ± 5 nm , 0.4 mW at 20 mA, ± 12°, TO-18, hemispherical lens		160,29	182,66
DUV265-HL18W, 265 ± 5 nm , 0.4 mW at 20 mA, ± 20°, TO-18, hemispherical lens		160,29	182,66
270 nm			
UVTOP265-HL-TO39, 270 ± 5 nm , 0.6 mW at 20 mA, TO-39, hemispherical lens		241,90	275,66
275 nm			
UVTOP270-HL-TO39, 275 ± 5 nm , 0.6 mW at 20 mA, TO-39, hemispherical lens		199,30	227,11
280 nm			


DUV280-OC39, 280 ±5 nm , 2 mW at 20 mA, ± 72°, TO-39, open can	114,95	131,00
DUV280-OC46, 280 ±5 nm , 2 mW at 20 mA, ± 72°, TO-46S, open can	131,14	149,45
DUV280-FW5, 280 ±5 nm , 1.5 mW at 20 mA, ± 58°, TO-5, flat window	121,43	138,38
DUV280-FW18, 280 ±5 nm , 1.2 mW at 20 mA, ± 55°, TO-18, flat window	131,14	149,45
DUV280-HL5N, 280 ±5 nm , 0.8 mW at 20 mA, ± 3°, TO-5, hemispherical lens	144,10	164,21
DUV280-HL46N, 280 ±5 nm , 0.9 mW at 20 mA, ± 3°, TO-46S, hemispherical lens	144,10	164,21
DUV280-HL18M, 280 ±5 nm , 1.2 mW at 20 mA, ± 12°, TO-18, hemispherical lens	144,10	164,21
DUV280-HL18W, 280 ±5 nm , 1.0 mW at 20 mA, ± 20°, TO-18, hemispherical lens	144,10	164,21
285 nm		
UVTOP280-HL-TO39, 285 ± 5 nm , 0.7 mW at 20 mA, TO-39, hemispherical lens	199,30	227,11
310 nm		
DUV310-OC39, 310 ±5 nm , 1.6 mW at 20 mA, ± 72°, TO-39, open can	114,95	131,00
DUV310-OC46, 310 ±5 nm , 1.6 mW at 20 mA, ± 72°, TO-46S, open can	131,14	149,45
DUV310-FW5, 310 ±5 nm , 0.8 mW at 20 mA, ± 58°, TO-5, flat window	121,43	138,38
DUV310-FW18, 310 ±5 nm , 0.7 mW at 20 mA, ± 55°, TO-18, flat window	131,14	149,45
DUV310-HL5N, 310 ±5 nm , 0.4 mW at 20 mA, ± 3°, TO-5, hemispherical lens	144,10	164,21
DUV310-HL46N, 310 ±5 nm , 0.4 mW at 20 mA, ± 3°, TO-46S, hemispherical lens	144,10	164,21
DUV310-HL18M, 310 ±5 nm , 0.6 mW at 20 mA, ± 12°, TO-18, hemispherical lens	144,10	164,21
DUV310-HL18W, 310 ±5 nm , 0.6 mW at 20 mA, ± 20°, TO-18, hemispherical lens	144,10	164,21
325 nm		
DUV325-OC39, 325 ±5 nm , 1.5 mW at 20 mA, ± 72°, TO-39, open can	121,43	138,38
DUV325-OC46, 325 ±5 nm , 1.5 mW at 20 mA, ± 72°, TO-46S, open can	121,43	138,38
DUV325-FW5, 325 ±5 nm , 0.9 mW at 20 mA, ± 58°, TO-5, flat window	127,90	145,76
DUV325-FW18, 325 ±5 nm , 0.8 mW at 20 mA, ± 55°, TO-18, flat window	127,90	145,76
DUV325-HL5N, 325 ±5 nm , 0.5 mW at 20 mA, ± 3°, TO-5, hemispherical lens	152,19	173,43
DUV325-HL46N, 325 ±5 nm , 0.5 mW at 20 mA, ± 3°, TO-46S, hemispherical lens	152,19	173,43
DUV325-HL18M, 325 ±5 nm , 0.8 mW at 20 mA, ± 12°, TO-18, hemispherical lens	152,19	173,43
DUV325-HL18W, 325 ±5 nm , 0.7 mW at 20 mA, ± 20°, TO-18, hemispherical lens	152,19	173,43
340 nm		
DUV340-OC39, 340 ±5 nm , 1.5 mW at 20 mA, ± 72°, TO-39, open can	121,43	138,38
DUV340-OC46, 340 ±5 nm , 1.5 mW at 20 mA, ± 72°, TO-46S, open can	121,43	138,38
DUV340-FW5, 340 ±5 nm , 1.0 mW at 20 mA, ± 58°, TO-5, flat window	127,90	145,76
DUV340-FW18, 340 ±5 nm , 0.8 mW at 20 mA, ± 55°, TO-18, flat window	127,90	145,76
DUV340-HL5N, 340 ±5 nm , 0.6 mW at 20 mA, ± 3°, TO-5, hemispherical lens	152,19	173,43
DUV340-HL46N, 340 ±5 nm , 0.6 mW at 20 mA, ± 3°, TO-46S, hemispherical lens	152,19	173,43
DUV340-HL18M, 340 ±5 nm , 0.8 mW at 20 mA, ± 12°, TO-18, hemispherical lens	152,19	173,43
DUV340-HL18W, 340 ±5 nm , 0.8 mW at 20 mA, ± 20°, TO-18, hemispherical lens	152,19	173,43
LEDS - DEEP-UV / SMD SINGLE CHIP		
DEEP UV LEDs 255 nm - 340 nm SMD	EUR	USD
 <p>single emitter DEEP-UV LEDs SMD</p> <ul style="list-style-type: none"> - reflow solderable - for industrial processing - water purification / disinfection / phototherapy <p>DNA sequencing, Blood Gas Measurements</p>	1-10 pcs.	1-10 pcs.
255 nm		
UVTOP250-FW-SMD, 255 ±5 nm , 0.5 mW at 20 mA, ± 60°, ceramic SMD 3535, flat window	208,20	237,26
265 nm		
DUV265-SD351, 265 ±5 nm , 5 mW at 100 mA, ± 60°, ceramic SMD 3535, flat window	121,43	138,38
DUV265-SD353, 265 ±5 nm , 16 mW at 350 mA, ± 60°, ceramic SMD 3535, flat window	129,52	147,60
270 nm		
UVR270-SC3, 270 ±5 nm , 3 mW at 50 mA, ±15°, SMD, 4.5 x 4.5 mm, hemisph. lens	7,60	8,66
UVR270-SC3P, 270 ±5 nm , 3 mW at 50 mA, ±15°, SMD on hex. PCB, dia. 21 mm, hemisph. lens	9,10	10,37
UVR270-SC12, 270 ±5 nm , 3 mW at 50 mA, ±60°, SMD, 4.5 x 4.5 mm, flat window	7,60	8,66
UVR270-SC12P, 270 ±5 nm , 3 mW at 50 mA, ±60°, SMD on hex. PCB, dia. 21 mm, flat window	9,10	10,37
UVR270-SA3, 270 ±5 nm , 10 mW at 150 mA, ±15°, SMD, 4.5 x 4.5 mm, hemisph. lens	16,30	18,57
UVR270-SA3P, 270 ±5 nm , 10 mW at 150 mA, ±15°, SMD on hex. PCB, dia. 21 mm, hemisph. lens	17,80	20,28
275 nm		


UVTOP270-FW-SMD, 275 ±5 nm , 2 mW at 20 mA, ± 60°, ceramic SMD 3535, flat window	13,20	15,04
UVTOP270H-FW-SMD, 275 ±5 nm , 12 mW at 150 mA, ± 63°, ceramic SMD 3535, flat window	42,50	48,43
DUV275-SD351, 275 ±5 nm , 12 mW at 100 mA, ± 60°, ceramic SMD 3535, flat window	121,43	138,38
DUV275-SD356, 275 ±5 nm , 45 mW at 600 mA, ± 60°, ceramic SMD 3535, flat window	129,52	147,60
DUV275-SD356L, 275 ±5 nm , 43 mW at 600 mA, ± 32°, ceramic SMD 3535, quartz lens	145,71	166,05
DUV275-SD356LN, 275 ±5 nm , 40 mW at 600 mA, ± 16°, ceramic SMD 3535, quartz lens	145,71	166,05
CUD8AF1C, 275 ±5 nm , 3 mW at 30 mA, ± 58°, aluminium SMD, 6.4 x 6.4 mm, flat window	15,13	17,24
CUD8AF1D, 275 ±5 nm , 19 mW at 200 mA, ± 60°, aluminium SMD, 6.4 x 6.4 mm, flat window	24,65	28,09
280 nm		
UVR280-SC3, 280 ±5 nm , 3 mW at 50 mA, ±15°, SMD, 4.5 x 4.5 mm, hemisph. lens	7,60	8,66
UVR280-SC3P, 280 ±5 nm , 3 mW at 50 mA, ±15°, SMD on hex. PCB, dia. 21 mm, hemisph. lens	9,10	10,37
UVR280-SC12, 280 ±5 nm , 3 mW at 50 mA, ±60°, SMD, 4.5 x 4.5 mm, flat window	7,60	8,66
UVR280-SC12P, 280 ±5 nm , 3 mW at 50 mA, ±60°, SMD on hex. PCB, dia. 21 mm, flat window	9,10	10,37
UVR280-SA3, 280 ±5 nm , 10 mW at 150 mA, ±15°, SMD, 4.5 x 4.5 mm, hemisph. lens	16,30	18,57
UVR280-SA3P, 280 ±5 nm , 10 mW at 150 mA, ±15°, SMD on hex. PCB, dia. 21 mm, hemisph. lens	17,80	20,28
DUV280-SD351, 280 ±5 nm , 12 mW at 100 mA, ± 60°, ceramic SMD 3535, flat window	121,43	138,38
DUV280-SD356, 280 ±5 nm , 45 mW at 600 mA, ± 60°, ceramic SMD 3535, flat window	129,52	147,60
DUV280-SD356L, 280 ±5 nm , 43 mW at 600 mA, ± 32°, ceramic SMD 3535, quartz lens	145,71	166,05
DUV280-SD356LN, 280 ±5 nm , 40 mW at 600 mA, ± 16°, ceramic SMD 3535, quartz lens	145,71	166,05
285 nm		
UVTOP280-FW-SMD, 285 ±5 nm , 2 mW at 20 mA, ± 60°, ceramic SMD 3535, (MOQ)	59,50	67,80
UVTOP280H-FW-SMD, 285 ±5 nm , 10 mW at 100 mA, ± 63°, ceramic SMD 3535, (MOQ)	47,52	54,15
295 nm		
UVTOP290-FW-SMD, 295 ±5 nm , 2 mW at 20 mA, ± 60°, ceramic SMD 3535, (MOQ)	13,99	15,94
310 nm		
UVTOP305-FW-SMD, 310 ±5 nm , 1.2 mW at 20 mA, ± 60°, ceramic SMD 3535 (MOQ)	13,77	15,69
DUV310-SD351, 308 ±5 nm , 12 mW at 100 mA, ± 60°, ceramic SMD 3535, flat window	121,43	138,38
DUV310-SD356, 308 ±5 nm , 60 mW at 600 mA, ± 60°, ceramic SMD 3535, flat window	129,52	147,60
DUV310-SD356L, 310 ±5 nm , 58 mW at 600 mA, ± 32°, ceramic SMD 3535, quartz lens	145,71	166,05
DUV310-SD356LN, 310 ±5 nm , 53 mW at 600 mA, ± 16°, ceramic SMD 3535, quartz lens	145,71	166,05
CUD1AF1C, 310 ±5 nm , 1.8 mW at 30 mA, ± 58°, aluminium SMD, 6.4 x 6.4 mm, flat window	16,66	18,99
CUD1AF1D, 310 ±5 nm , 9.5 mW at 200 mA, ± 60°, aluminium SMD, 6.4 x 6.4 mm, flat window	o.r.	o.r.
325 nm		
DUV325-SD351, 325 ±5 nm , 12 mW at 100 mA, ± 60°, ceramic SMD 3535, flat window	121,43	138,38
DUV325-SD356, 325 ±5 nm , 56 mW at 600 mA, ± 60°, ceramic SMD 3535, flat window	129,52	147,60
DUV325-SD356L, 325 ±5 nm , 54 mW at 600 mA, ± 32°, ceramic SMD 3535, quartz lens	145,71	166,05
DUV325-SD356LN, 325 ±5 nm , 49 mW at 600 mA, ± 16°, ceramic SMD 3535, quartz lens	145,71	166,05
340 nm		
DUV340-SD351, 340 ±5 nm , 12 mW at 100 mA, ± 60°, ceramic SMD 3535, flat window	121,43	138,38
DUV340-SD356, 340 ±5 nm , 60 mW at 600 mA, ± 60°, ceramic SMD 3535, flat window	129,52	147,60
DUV340-SD356L, 340 ±5 nm , 58 mW at 600 mA, ± 32°, ceramic SMD 3535, quartz lens	145,71	166,05
DUV340-SD356LN, 340 ±5 nm , 53 mW at 600 mA, ± 16°, ceramic SMD 3535, quartz lens	145,71	166,05
CUD4AF1B, 340 ±5 nm , 55 mW at 500 mA, ± 63°, aluminium SMD, 6.4 x 6.4 mm, flat window	22,10	25,18
LEDS - DEEP-UV / SMD MULTI CHIP		
DEEP UV LEDs 265 nm - 340 nm SMD	EUR	USD
 <p>multi emitter DEEP-UV LEDs SMD</p> <ul style="list-style-type: none"> - reflow solderable - for industrial processing - water purification / disinfection / phototherapy DNA sequencing, Blood Gas Measurements 	1-10 pcs.	1-10 pcs.
UVR270-4F12, 270 ±5 nm , 48 mW at 180 mA, ±60°, SMD, 6.0 x 6.0 mm, flat window	49,10	55,95
UVR270-4F12P, 270 ±5 nm , 48 mW at 180 mA, ±60°, SMD on hex. PCB, dia. 21 mm, flat window	50,60	57,66
CUD8AF4C, 275 ±5 nm , 13 mW at 120 mA, ± 60°, aluminium SMD, 6.4 x 6.4 mm, flat window	65,45	74,58
CUD8AF4D, 275 ±5 nm , 50 mW at 600 mA, ± 60°, aluminium SMD, 6.4 x 6.4 mm, flat window	89,25	101,71
UVR280-4F12, 280 ±5 nm , 48 mW at 180 mA, ±60°, SMD, 6.0 x 6.0 mm, flat window	49,10	55,95
UVR280-4F12P, 280 ±5 nm , 48 mW at 180 mA, ±60°, SMD on hex. PCB, dia. 21 mm, flat window	50,60	57,66
CUD1AF4C, 310 ±5 nm , 8 mW at 80 mA, ± 60°, aluminium SMD, 6.4 x 6.4 mm, flat window	58,31	66,45

CUD1AF4D, 310 ±5 nm , 20 mW at 600 mA, ± 60°, aluminium SMD, 6.4 x 6.4 mm, flat window	88,74	101,12
LEDs - UV		
UV-LEDs 340 nm - 395 nm	EUR	USD
 <p>UV-LEDs different packages: 3mm and 5 mm clear epoxy, TO packages and SMD packages</p>	1-49 pcs.	1-49 pcs.
XSL-355-TF, 365 nm , 0.4-0.6 mW at 20 mA, 100°, TO-46 with flat glass window	12,90	14,70
XSL-355-3E-R6, 355 nm , 1.8-2.4 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	11,24	12,81
XSL-355-5E-R6, 355 nm , 1.8-2.4 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	11,24	12,81
XSL-360-3E, 360 nm , 1.2-1.8 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	9,20	10,48
XSL-360-5E, 360 nm , 1.2-1.8 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	9,20	10,48
RLT360-1.5-30-3CC, 361 nm , 1.5 mW at 3x20 mA, 3 chips ~30°, 5 mm clear epoxy	14,40	16,41
RLT360-BL-TO18, 361 nm , 400-700 uW at 20 mA, 10°, TO18 with glass ball lens	8,52	9,71
XSL-365-3E, 365 nm , 2.4-6.0 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	6,95	7,92
XSL-365-5E, 365 nm , 2.4-6.0 mW at 20 mA, 15°, 5 mm UV resistant clear epoxy (silicone)	6,13	6,99
XSL-365-TB, 365 nm , 0.6-0.8 mW at 20 mA, 10°, TO-46 with glass ball lens	6,13	6,99
XSL-365-TF, 365 nm , 0.6-0.8 mW at 20 mA, 100°, TO-46 with flat glass window	6,13	6,99
UVLED365-10E, 365 nm , 2.0 mW at 20 mA, 10°, TO-46 with glass ball lens	5,78	6,59
UVLED365-110E, 365 nm , 2.0 mW at 20 mA, 100°, TO-46 with flat glass window	4,94	5,63
RLT365-10, 365 nm , 1.2 mW at 20 mA, 10°, aluminium housing with UV cut-off filter	48,20	54,93
RLT365-10E, 365 nm , 1.7 mW at 20 mA, 10°, aluminium housing with UV cut-off filter	50,20	57,21
RLT365-110E, 365 nm , 1.7 mW at 20 mA, 100°, aluminium housing with UV cut-off filter	50,20	57,21
LED365-06Z, 365 nm , 5.5 mW at 20 mA, 4°, 5 mm clear UV-resistant epoxy	6,98	7,95
XSL-370-3E, 370 nm , 4.0-6.0 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	5,32	6,06
XSL-370-5E, 370 nm , 4.0-6.0 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	4,50	5,13
VL370-5-15, 370 nm , 2.0-4.0 mW at 20 mA, 15°, 5 mm clear epoxy	3,14	3,58
VL370-TH-45, 370 nm , 1.4-2.0 mW at 20 mA, 45°, 5 mm clear epoxy	3,14	3,58
RLT370-TO-18, 370 nm , 400 uW at 20 mA, 15°, TO18 with glass ball lens	6,06	6,91
RLS-UV370, 370 nm , 500 uW at 20 mA, 15°, TO18 with cap lens	4,75	5,41
RLS-UV370E, 370 nm , 1 mW at 20 mA, 30°, 5 mm clear epoxy	5,75	6,55
XSL-370-TB-4, 370 nm , 0.8-1.2 mW at 20 mA, 10°, TO-46 with glass ball lens	4,50	5,13
XSL-370-TB-5, 370 nm , 1.2-1.8 mW at 20 mA, 10°, TO-46 with glass ball lens	4,50	5,13
XSL-370-TF-5, 370 nm , 1.2-1.8 mW at 20 mA, 100°, TO-46 with flat glass window	5,52	6,29
RLT370-10E, 370 nm , 4.7 mW at 20 mA, 10°, aluminium housing with UV cut off-filter	50,20	57,21
RLT370-110, 370 nm , 2.0 mW at 20 mA, 110° aluminium housing with UV cut off-filter	45,45	51,79
UVLED370-10E, 370 nm , 4.7 mW at 20 mA, 10°, TO-46 with glass ball lens	3,85	4,39
UVLED370-110E, 370 nm , 5.5 mW at 20 mA, 110°, TO-46 with flat glass window	4,94	5,63
XRL-375-5E, 375 nm , 19.0-26.0 mW at 20 mA, 40°, 5 mm clear UV-resistant epoxy	16,36	18,64
XSL-375-TB-4, 375 nm , 0.8-1.2 mW at 20 mA, 10°, TO-46 with glass ball lens	4,91	5,60
XSL-375-TB-5, 375 nm , 1.2-1.8 mW at 20 mA, 10°, TO-46 with glass ball lens	4,91	5,60
XSL-375-TB-6, 375 nm , 1.8-2.4 mW at 20 mA, 10°, TO-46 with glass ball lens	4,91	5,60
XSL-375-TF-R2, 375 nm , 4-6 mW at 20 mA, 100°, TO-46 with flat window	4,91	5,60
LED375-04, 375 nm , 2.5 mW at 20 mA, ±20°, 5 mm clear UV-resistant epoxy	4,82	5,49
LED375-06, 375 nm , 2.5 mW at 20 mA, ±4°, 5 mm clear UV-resistant epoxy	4,99	5,69
LED375-33, 375 nm , 7 mW at 20 mA, ±8°, 3 mm clear UV-resistant epoxy	4,82	5,49
XSL-375-3E, 375 nm , 11-17 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	4,91	5,60
B5M-447-375S, 375nm , 4 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	2,60	2,96
XSL-375-5E, 375 nm , 6 mW at 20 mA, 15°, 5 mm clear UV-resistant mold	2,52	2,87
XSL-375-5E-R4, 375 nm , 8.4-14.0 mW at 20 mA, 15°, 5 mm clear UV-resistant mold	4,09	4,66
UVLED375-10-30, 375 nm , 15 mW at 15 mA, ±20°, 5 mm clear UV-resistant mold	2,90	3,30
B5M-447-380S, 380nm , 5 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	1,18	1,34
VL380-5-15, 380 nm , 4.0-7.0 mW at 20 mA, 15°, 5 mm clear epoxy	1,96	2,23
RLS-UV380, 380 nm , 9.0-15.0 mW at 20 mA, 30°, 5 mm clear epoxy	1,40	1,60
RLS-UV385, 385 nm , 2 mW at 20 mA, 30°, 5 mm clear epoxy	0,97	1,11
RLU385-2-30, 385 nm , 2 mW at 20 mA, 30°, 5 mm clear epoxy	3,50	3,99
LED385-03, 385 nm , 18 mW at 20 mA, ±9°, 5 mm clear UV-resistant epoxy	4,82	5,49

LED385-04, 385 nm , 18 mW at 20 mA, $\pm 17^\circ$, 5 mm clear UV-resistant epoxy	4,82	5,49
LED385-33, 385 nm , 18 mW at 20 mA, $\pm 6^\circ$, 3 mm clear UV-resistant epoxy	4,82	5,49
385D30, 385 nm , FWHM = 15 nm, 30° , 3-5 mW, 5 mm clear epoxy	2,05	2,34
E1L5M-4POA2-01, 385 nm , TO-46 ball lens, 16° , 1.5-2.3 mW at 20 mA	7,78	8,86
VL390-5-15, 390 nm , 8.1-11.5 mW at 20 mA, 15° , 5 mm clear epoxy	1,33	1,52
HUUV-5102L, 393 nm , FWHM=13 nm, 20° , 2 mW, 5 mm clear epoxy	5,05	5,75
RLU395-8-30, 395 nm , 8 mW at 20 mA, 30° , 5 mm clear epoxy	2,20	2,51
RLS-UV395, 395 nm , 10-18 mW at 20 mA, 30° , 5 mm clear epoxy,	0,68	0,77
B3B-447-CVD, 395 nm , 15 mcd at 20 mA, 30° , 3 mm clear epoxy	1,95	2,22
LED395-33V, 395 nm , 11 mW at 20 mA, $\pm 13^\circ$, 3 mm clear UV-resistant epoxy	4,82	5,49
LED395-01V, 395 nm , 11 mW at 20 mA, $\pm 8^\circ$, 5 mm clear UV-resistant epoxy	4,82	5,49
LED395-02V, 395 nm , 11 mW at 20 mA, $\pm 5^\circ$, 5 mm clear UV-resistant epoxy	4,99	5,69
LED395-03V, 395 nm , 11 mW at 20 mA, $\pm 10^\circ$, 5 mm clear UV-resistant epoxy	4,82	5,49

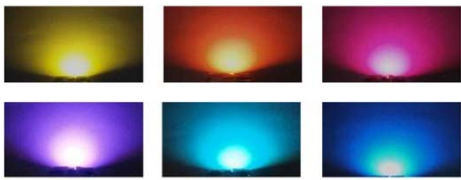
LEDS - WHITE

WHITE LEDs based on GaN	EUR	USD
 <p>white LEDs, diverse packages Technology: blue GaN LED with YAG conversion 5mm and 3mm clear epoxy package</p>	1-49 pcs.	1-49 pcs.
M5DLS1C1A, warm white 3000K , 1.3 cd at 20 mA, SMD 3.2 x 2.8 mm ² , 120°	1,20	1,37
W5DLS1C1A, white , 3.0 cd at 20 mA, SMD 3.2 x 2.8 mm ² , 120°	1,20	1,37
B3B-440-LBS, white , 10.5 cd at 20 mA, 20° , 3 mm clear epoxy	0,90	1,03
B5-430-JD, white , 3.5 cd at 20 mA, 30° , 5 mm clear epoxy	1,10	1,25
HUWH-5101L, white , 3.7 cd at 20 mA, 5 mm clear epoxy	1,60	1,82
HUWH-3101L, white , 3.7 cd at 20 mA, 3 mm clear epoxy	1,60	1,82
5W4HCA-P, white , 4.0-4.5 cd at 20 mA, 20° , 5 mm clear epoxy	1,10	1,25
B5-43SUN-JD, warm white , (sunbeam) 4.5 cd at 20 mA, 30° , 5 mm clear epoxy	1,10	1,25
B5-43SUN-JB, warm white , (sunbeam) 6.0 cd at 20 mA, 20° , 5 mm clear epoxy	1,10	1,25
B5B-430-JB, white , 6.5 cd at 20 mA, 8° , 5 mm clear epoxy	1,10	1,25
5W4HCA-H, white , 7.0-8.0 cd at 20 mA, 20° , 5 mm clear epoxy	1,62	1,85
5W4HCA-U, white , 13.0-15.0 cd at 20 mA, 20° , 5 mm clear epoxy	1,92	2,19
RLS-5W-180-S, white , 18.0 cd at 20 mA, 15° , 5 mm clear epoxy	2,04	2,32
5W4HCA-H20-16, white , 18-26 cd at 20 mA, 15 mil chip, 20° , 5 mm clear epoxy	2,34	2,67
5W4HCA-H30-16, white , 12-17 cd at 20 mA, 15 mil chip, 30° , 5 mm clear epoxy	2,34	2,67
RLS-5W-200-S, white , 20.0 cd at 20 mA, 15° , 5 mm clear epoxy	2,34	2,67
5W4HCA-H20, white , 20-25 cd at 20 mA, 15 mil chip, 20° , 5 mm clear epoxy	2,44	2,78
5W4HCA-H20-ULTRA, white , 27-33 cd at 30 mA, 15 mil chip, 20° , 5 mm clear epoxy	3,60	4,10
PW5111A-Z3, white , 30-36 cd at 20 mA, 15° , x/y = 0.31/0.30, 5 mm clear epoxy	3,70	4,22
W57L5111P, white , 45-60 cd at 50 mA, 15° , 5mm clear epoxy	3,80	4,33
W54L5111P, white , 75 cd at 50 mA, 15° , 5mm clear epoxy	3,80	4,33
M57L5111P, warm white , 30-35 cd at 50 mA, 15° , 5mm clear epoxy	3,80	4,33

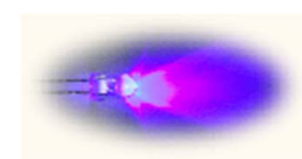
WHITE LEDs based on ZnSe	EUR	USD
 <p>white LEDs, diverse packages Technology: ZnSe LED emits with light with two peaks: 484 nm and 605 nm, blue + yellow = white SMD package</p>	1-49 pcs.	1-49 pcs.
RLZS-2012, white , 200-300mcd at 20mA, Uf=2.65V, 150° , 2012 SMD	1,49	1,70
RGB LEDs	EUR	USD
B5-4RGB-CBA, RGB , 625/525/470nm, 20° , comm. +, 5 mm clear epoxy	1,86	2,12

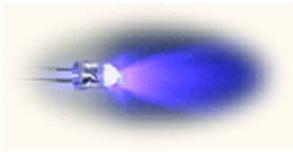
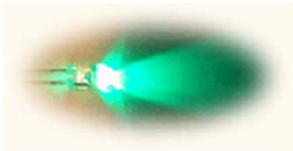
LEDS - SPECIAL COLOR

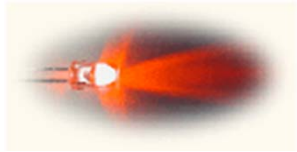
400 nm - 435 nm	EUR	USD
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 <p>5mm clear epoxy type LEDs based on blue LED with phosphor coating</p>		
	1-49 pcs.	1-49 pcs.
K64L5111A, orchid , 8.4 cd at 20 mA, 15°, 5mm clear epoxy	2,98	3,40
K7DL5111A, purple , 8.4 cd at 20 mA, 15°, 5mm clear epoxy	2,98	3,40
B64L5111A, ice blue , 20 cd at 20 mA, 15°, 5mm clear epoxy	2,98	3,40
C24L5111A, sky blue , 4.5 lm at 20 mA, 15°, 5mm clear epoxy	2,98	3,40
C34L5111A, cyan , 6.7 lm at 20 mA, 15°, 5mm clear epoxy	2,98	3,40
CM4L5111A, yolk , 8.2 lm at 20 mA, 15°, 5mm clear epoxy	2,98	3,40
CG4L5111A, orange peach , 4.4 lm at 20 mA, 15°, 5mm clear epoxy	2,98	3,40
CA4L5111A, magenta , 3.8 lm at 20 mA, 15°, 5mm clear epoxy	2,98	3,40

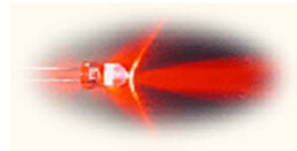
LEDS - VIOLET

400 nm - 435 nm	EUR	USD
 <p>blue violet LEDs packages: 3mm and 5 mm clear epoxy, TO packages</p>	1-49 pcs.	1-49 pcs.
RLS-UV400, 400 nm , 7.0-9.0 mW at 20 mA, 30°, 5 mm clear epoxy	0,30	0,34
LLS-UV400, 400 nm , 19-23 mW at 20 mA, 30°, 5 mm clear epoxy	2,45	2,79
VL400-5-15, 400 nm , 8.1-11.5 mW at 20 mA, 15°, 5 mm clear epoxy	1,33	1,52
XRL-400-5O, 400 nm , 21-29 mW at 25 mA, 15°, 5 mm clear epoxy	8,18	9,32
XRL-400-5E, 400 nm , 21-29 mW at 25 mA, 40°, 5 mm clear epoxy	8,18	9,32
5P4FCA, 405 nm , 3-4 mW at 20 mA, 20°, 5 mm clear epoxy	1,62	1,85
RV5-405-8-5, 405 nm , 14 mW, 20 mA, 8°, 5 mm clear epoxy	3,40	3,87
RV5-405-15-5, 405 nm , 14 mW, 20 mA, 15°, 5 mm clear epoxy	3,40	3,87
RV5-405-3, 405 nm , 14 mW, 20 mA, 30°, 3mm clear epoxy	3,40	3,87
LED405-02V, 405 nm , 15 mW at 20 mA, ±5°, 5 mm clear UV-resistant epoxy	4,68	5,33
LED405-03, 405 nm , 18 mW at 20 mA, ±8°, 5 mm clear UV-resistant epoxy	4,68	5,33
LED405-06V, 405 nm , 15 mW / 140 mcd at 20 mA, +/-4°, 5 mm clear UV-resistant epoxy	4,68	5,33
LED405-33V, 405 nm , 20 mW at 20 mA, ±13°, 3 mm clear UV-resistant epoxy	4,68	5,33
LED405-30M32, 405 nm , 3 mW at 20 mA, ±15°, TO-18 lenscap	5,60	6,38
B5B-437-CV, 405 nm , FWHM=10 nm, ±8°, 5-7 mW, 5 mm clear epoxy	2,55	2,91
B5-437-CVD, 405 nm , FWHM=10 nm, ±30°, 5-7 mW, 5 mm clear epoxy	2,55	2,91
LC503MUV1-30Q, 405 nm , FWHM=12 nm, 5-6 mW, 30°, 5 mm clear epoxy	5,05	5,75
VL410-5-15, 410 nm , 10.0-16.0 mW at 20 mA, 15°, 5 mm clear epoxy	1,89	2,15
RLS-410-3-25, 410 nm , 3 mW at 20 mA, 25°, 5 mm clear epoxy	2,30	2,62
B5M-447-415S, 415nm 9 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	1,62	1,85
VL415-5-15, 415 nm , 10-16 mW at 20 mA, 15°, 5 mm clear epoxy	1,89	2,15
VL415-3-20, 415 nm , 10-16 mW at 20 mA, 20°, 3 mm clear epoxy	1,99	2,27
VL420-5-15, 420 nm , 10-16 mW at 20 mA, 15°, 5 mm clear epoxy	1,99	2,27
LED420-01, 420 nm , 26 mW at 20 mA, ±8°, 5 mm clear UV-resistant epoxy	4,99	5,69
LED420-33, 420 nm , 15 mW at 20 mA, ±13°, 3 mm clear UV-resistant epoxy	4,99	5,69
LED425-6-30, 425 nm , 6-8 mW at 20 mA, ±15°, 5 mm epoxy	3,23	3,68
VL425-5-15, 425 nm , 10-16 mW at 20 mA, 15°, 5 mm clear epoxy	2,78	3,17
VL425-3-20, 425 nm , 10-16 mW at 20 mA, 20°, 3 mm clear epoxy	2,88	3,28
VL430-5-15, 430 nm , 10-16 mW at 20 mA, 15°, 5 mm clear epoxy	1,99	2,27
LED430-02, 430 nm , 2 cd, 22 mW at 20 mA, ±11°, 5 mm clear UV-resistant epoxy	5,70	6,50
LED430-06, 430 nm , 2 cd, 22 mW at 20 mA, ±5°, 5 mm clear UV-resistant epoxy	5,70	6,50
LED430-05U, 430 nm , 10 mcd, 0.3 mW at 20 mA, ±40°, 5 mm epoxy ► PHASE OUT	1,20	1,37
LED430-33, 430 nm , 0.3 cd, 4.5 mW at 20 mA, ±15°, 3 mm epoxy	4,99	5,69
LED435-6-30, 435 nm , 5-7 mW at 20 mA, ±15°, 5mm epoxy	2,33	2,66
LED435-12-30, 435 nm , 10-14 mW at 20 mA, ±15°, 5mm epoxy	3,23	3,68
LED435-03, 435 nm , 20 mW at 20 mA, ±12°, 5 mm epoxy	4,57	5,21
LED435-30M32, 435 nm , 2.2 mW at 20 mA, ±10°, TO-18 lenscap	8,77	9,99

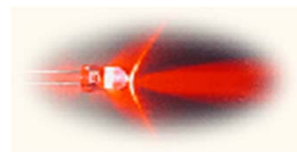
LED440-6-30, 440 nm , 6 mW at 20 mA, $\pm 15^\circ$, 5mm epoxy	3,23	3,68
LEDS - BLUE		
450 nm - 477 nm	EUR	USD
 <p>blue LEDs packages: 3mm and 5 mm clear epoxy</p>	1-49 pcs.	1-49 pcs.
ELD-450-525, 450 nm , 5.2 cd at 20 mA, 20° , 5 mm clear epoxy	1,89	2,15
LED450-01, 450 nm , 20 mW 3.5 cd at 20 mA, $\pm 8^\circ$, 5 mm clear epoxy	3,36	3,83
LED450-03, 450 nm , 20 mW 3.5 cd at 20 mA, $\pm 10^\circ$, 5 mm clear epoxy	3,36	3,83
LED450-04, 450 nm , 20 mW 1.0 cd at 20 mA, $\pm 20^\circ$, 5 mm clear epoxy	3,36	3,83
LED450-06, 450 nm , 20 mW 4.5 cd at 20 mA, $\pm 4^\circ$, 5 mm clear epoxy	3,53	4,02
LED450-33, 450 nm , 20 mW 1.2 cd at 20 mA, $\pm 13^\circ$, 3 mm clear epoxy	3,36	3,83
RLS-B465, 465 nm , 9cd at 20mA $\pm 15^\circ$ 5mm clear epoxy	1,20	1,37
B5B-437-IX, 470 nm , 3.8 cd at 20 mA, 8° , 5 mm clear epoxy	1,20	1,37
B3B-447-IX, 470 nm , 2 cd at 20 mA, 15° , 3 mm clear epoxy	1,20	1,37
LED470-01, 470 nm , 23 mW at 20 mA, $\pm 9^\circ$, 5 mm clear epoxy	3,34	3,81
B56L5111P, 475 nm , 20-30 cd at 50 mA, 15° , 5mm clear epoxy	1,33	1,52
RLS-5B475-S, 477 nm , 3.0-4.0 cd at 20 mA, 15° , 5 mm clear epoxy	1,25	1,42
LEDS - GREEN		
490 nm - 545 nm	EUR	USD
 <p>blue-green LEDs packages: 3mm and 5 mm clear epoxy</p>	1-49 pcs.	1-49 pcs.
LED490-02, 490 nm , 18 cd, 12 mW at 20 mA, 10° , 5 mm epoxy	4,15	4,73
LED490-03, 490 nm , 15 cd, 12 mW at 20 mA, 24° , 5 mm clear epoxy	4,15	4,73
LED490-06, 490 nm , 24 cd, 12 mW at 20 mA, 14° , 5 mm epoxy	4,33	4,93
LED490-33, 490 nm , 8 cd, 12 mW at 20 mA, 28° , 3 mm epoxy	4,15	4,73
LED500-10-30, 500 nm , 10 mW at 20 mA, $\pm 15^\circ$, 5 mm clear epoxy	4,62	5,26
B3B-443-B505, 505 nm , 4 cd at 20 mA, 15° , 3 mm clear epoxy	1,05	1,20
B5-433-B505, 505 nm , 7.0 cd at 20 mA, 5 mm, 15° , clear epoxy	1,05	1,20
B5B-433-B505, 505 nm , 8.0 cd at 20 mA, 5 mm, 8° , clear epoxy	1,05	1,20
LED515-10-30, 515 nm , 10 mW at 20 mA, $\pm 15^\circ$, 5 mm clear epoxy	4,62	5,26
G48A5111P, 515 nm , 100 cd at 50 mA, 15° , 5mm clear epoxy	3,98	4,54
B3B-443-B525, 525 nm , 5.5 cd at 20 mA, 15° , 3 mm clear epoxy	1,05	1,20
B5-433-B525, 525 nm , 7.0 - 10.0 cd at 20 mA, 5 mm, 15° , clear epoxy	1,15	1,31
B5B-433-B525, 525 nm , 11.0 cd at 20 mA, 5 mm, 8° , clear epoxy	1,05	1,20
LED525-01, 525 nm , 20 cd, 7 mW at 20 mA, $\pm 9^\circ$, 5 mm clear epoxy	4,15	4,73
G58A5111P, 525 nm , 80-100 cd at 50 mA, 15° , 5 mm clear epoxy	2,25	2,56
LED535-01, 535 nm , 9.5 cd, 4 mW at 20 mA, $\pm 8^\circ$, 5 mm clear epoxy	o.r.	o.r.
LED535-33, 535 nm , 4.8 cd, 4 mW at 20 mA, $\pm 13^\circ$, 3 mm clear epoxy	o.r.	o.r.
LED545-01, 545 nm , 7 cd, 2 mW at 20 mA, $\pm 8^\circ$, 5 mm clear epoxy	8,48	9,66
LED545-03, 545 nm , 7 cd, 2 mW at 20 mA, $\pm 9^\circ$, 5 mm clear epoxy	8,48	9,66
LED545-04, 545 nm , 2.2 cd, 2 mW at 20 mA, $\pm 15.5^\circ$, 5 mm clear epoxy	8,48	9,66
LED545-06, 545 nm , 3.2 mW at 20 mA, $\pm 3^\circ$, 5 mm clear epoxy	8,48	9,66
LED545-33, 545 nm , 3.2 mW at 20 mA, $\pm 14^\circ$, 3 mm clear epoxy	8,48	9,66
LEDS - YELLOW		
565 nm - 590 nm	EUR	USD

	yellow-orange LEDs packages: 3mm and 5 mm clear epoxy		
		1-49 pcs.	1-49 pcs.
B5B-433-014, 565 nm , 0.8 cd at 20 mA, 8°, 5 mm clear epoxy		1,06	1,21
LED565-33U, 565 nm , 0.2 mW at 20 mA, ±26°, 3 mm clear epoxy		0,71	0,81
LED565-03U, 565 nm , 0.2 mW at 20 mA, ±16°, 5 mm clear epoxy		0,71	0,81
G7NU5111A, 566 nm , 1.1 cd at 20 mA, 15°, 5mm clear epoxy		1,49	1,70
LED570-33, 570 nm , 0.75 mW at 20 mA, ±14°, 3 mm clear epoxy		0,62	0,71
LED570-03, 570 nm , 0.75 mW at 20 mA, ±12°, 5 mm clear epoxy		0,62	0,71
LED570-06, 570 nm , 0.75 mW at 20 mA, ±2°, 5 mm clear epoxy		0,62	0,71
G8HD3131E, 570 nm , 2.18 cd at 40 mA, 2 chips , 30°, 3 mm clear epoxy		1,06	1,21
B5B-433-20, 572 nm , 3.0 cd at 20 mA, 8°, 5 mm clear epoxy		1,06	1,21
B5-433-20, 572 nm , 2.5 cd at 20 mA, 15°, 5 mm clear epoxy		1,06	1,21
B5-433-20D, 572 nm , 1.7 cd at 20 mA, 30°, 5 mm clear epoxy		1,06	1,21
B5B-434-TY, 588 nm , 10.0 cd at 20 mA, 8°, 5 mm clear epoxy		1,06	1,21
CY5111A-WY, 590 nm , 22 cd (max 25 cd) at 20 mA, 15°, 5 mm clear epoxy		1,24	1,41
Y5CA5111P, 590 nm , 40-55 cd at 70 mA, 15°, 5mm clear epoxy		1,57	1,79
5Y3BCA-H, 590 nm , 4.0-4.5 cd at 20 mA, 20°, 5 mm clear epoxy		1,06	1,21
LED590-33W, 590 nm , 2.0 cd, 2.0 mW at 20 mA, ±18°, 3 mm epoxy		1,17	1,33
LED590-03, 590 nm , 8 cd, 4 mW at 20 mA, ±12°, 5 mm clear epoxy		1,17	1,33

LEDS - ORANGE


600 nm - 625 nm	EUR	USD
		
	1-49 pcs.	1-49 pcs.
LED600-03, 600 nm , 6.5 cd, 5 mW at 20mA, 26°, 5 mm clear epoxy	1,17	1,33
B3B-445-30S, 605 nm , 2.0 cd at 20 mA, 20°, 3 mm clear epoxy	1,06	1,21
B5-435-30S, 605 nm , 4.0 cd at 20 mA, 15°, 5 mm clear epoxy	1,06	1,21
B5B-435-30S, 605 nm , 5.0 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,21
O5CA5111P, 605 nm , 40-55 cd at 70 mA, 15°, 5mm clear epoxy	1,82	2,07
LED610-03, 610 nm , 7.5 cd, 8 mW at 20mA, 26°, 5 mm clear epoxy	1,17	1,33
B3B-445-30, 615 nm , 2.0 cd at 20 mA, 20°, 3 mm clear epoxy	1,06	1,21
B5-435-30, 615 nm , 4.0 cd at 20 mA, 15°, 5 mm clear epoxy	1,06	1,21
B5B-435-30, 615 nm , 5.0 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,21
5RKA5111P, 620 nm , 70-80 cd at 70 mA, 15°, 5mm clear epoxy	1,68	1,91
B3B-445-TL, 625 nm , 7 cd at 20 mA, 15°, 3 mm clear epoxy	1,06	1,21
B5-435-TL, 625 nm , 10 cd at 20 mA, 15°, 5 mm clear epoxy	1,06	1,21
B5B-435-TL, 625 nm , 12 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,21
LED625-03, 625 nm , 9 mW at 20 mA, ±13°, 5 mm clear epoxy	1,17	1,33
CR5111A-WY, 625 nm , 22 cd (max 25 cd) at 20 mA, 15°, 5 mm clear epoxy	1,24	1,41
R5CA5111P, 625 nm , 40-55 cd at 70 mA, 15°, 5mm clear epoxy	1,57	1,79
5RAA5111P, 625 nm , 60-75 cd at 60 mA, 15°, 5mm clear epoxy	1,68	1,91

LEDS - RED

650 nm - 710 nm	EUR	USD
		
	1-49 pcs.	1-49 pcs.
ELD-650-523, 650 nm , 1 cd at 20 mA, 20°, 5 mm clear epoxy	3,30	3,76

RLS-655-3-25, 655 nm , 3 mW at 20 mA, 25°, 5 mm clear epoxy	2,30	2,62
B3B-446-30, 660 nm , 1.3 cd at 20 mA, 20°, 3 mm clear epoxy	1,06	1,21
B5B-436-30, 660 nm , 3.5 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,21
B5-436-30D, 660 nm , 1.3 cd at 20 mA, 30°, 5 mm clear epoxy	1,06	1,21
LED660N-03, 660 nm , 2.4 cd, 15 mW at 20 mA, ±12°, 5 mm clear epoxy	0,88	1,00
ELD-670-524, 670 nm , 3.5 mW at 20 mA, 20°, 5 mm clear epoxy	3,60	4,11
LED680-4-30, 680 nm , 4-5 mW at 20 mA, ±15°, 5 mm clear epoxy	3,40	3,87
LED680-01AU, 680 nm , 25 mW/sr, 4 mW at 20 mA, ±10°, 5 mm clear epoxy	3,98	4,54
LED680-02AU, 680 nm , 25 mW/sr, 4 mW at 20 mA, ±7°, 5 mm clear epoxy	3,98	4,54
LED680-33AU, 680 nm , 5.8 mW at 20 mA, ±16°, 3 mm clear epoxy	3,80	4,33
ELD-680-524, 680 nm , 3.5 mW at 20 mA, 20°, 5 mm clear epoxy	1,98	2,26
LED690-01AU, 690 nm , 25 mW/sr, 4 mW at 20 mA, ±10°, 5 mm clear epoxy	3,80	4,33
LED690-03AU, 690 nm , 25 mW/sr, 4 mW at 20 mA, ±10°, 5 mm clear epoxy	3,80	4,33
LED690-04AU, 690 nm , 10 mW/sr, 4 mW at 20 mA, ±20°, 5 mm clear epoxy	3,80	4,33
LED690-33AU, 690 nm , 34 mW/sr, 5.8 mW at 20 mA, ±16°, 3 mm clear epoxy	3,80	4,33
ELD-700-524, 700 nm , 10 mW at 50 mA, 20°, 5 mm clear epoxy	3,60	4,11
IB5-43B8-700, 700nm 14 mW at 50 mA, 15°, 5 mm clear epoxy	3,70	4,22
LED700-02AU, 700 nm , 90 mW/sr, 13 mW at 50 mA, ±7°, 5 mm clear epoxy	3,98	4,54
LED700-04AU, 700 nm , 30 mW/sr, 13 mW at 50 mA, ±20°, 5 mm clear epoxy	3,98	4,54
LED700-33AU, 700 nm , 30 mW/sr, 13 mW at 50 mA, ±18°, 3 mm clear epoxy	3,80	4,33
LED710-01AU, 710 nm , 60 mW/sr, 13 mW at 50 mA, ±10°, 5 mm clear epoxy	3,80	4,33
LED710-04AU, 710 nm , 30 mW/sr, 13 mW at 50 mA, ±20°, 5 mm clear epoxy	3,80	4,33
LED710-33AU, 710 nm , 30 mW/sr, 13 mW at 50 mA, ±18°, 3 mm clear epoxy	3,80	4,33

LEDS - IR 720 - 1720 nm

720 nm - 780 nm	EUR	USD
 <p>IR-LEDs diverse packages 720 nm up to 4600 nm</p>	1-49 pcs.	1-49 pcs.
ELD-720-524, 720 nm , 7 mW at 20 mA, 20°, 5 mm clear epoxy	3,43	3,91
IB5-43B8-730, 730nm 20 mW at 50 mA, 15°, 5 mm clear epoxy	3,10	3,53
LED735-01AU, 735 nm , 18 mW at 50 mA, ±10°, 5 mm clear epoxy	3,18	3,62
ELD-740-354, 740 nm , 19 mW at 50 mA, 50°, 3 mm clear epoxy	3,43	3,91
ELD-740-524, 740 nm , 14 mW at 50 mA, 20°, 5 mm clear epoxy	3,43	3,91
LED740-01AU, 740 nm , 18 mW at 50 mA, 20°, 5 mm clear epoxy	3,18	3,62
LED740-03AU, 740 nm , 18 mW at 50 mA, 30°, 5 mm clear epoxy	3,18	3,62
LED750-33AU, 750 nm , 25 mW at 50 mA, 36°, 3 mm clear epoxy	3,18	3,62
LED750-03AU, 750 nm , 25 mW at 50 mA, 20°, 5 mm clear epoxy	3,18	3,62
LED760-6-30, 760 nm , 6-7 mW at 20 mA, ±15°, 5 mm clear epoxy	3,30	3,76
LED760-03AU, 760 nm , 19 mW at 50 mA, ±10°, 5 mm clear epoxy	3,18	3,62
LED760-05AU, 760 nm , 19 mW at 50 mA, ±55°, 5 mm clear epoxy	3,36	3,83
LED760-06AU, 760 nm , 19 mW at 50 mA, ±7°, 5 mm clear epoxy	3,36	3,83
LED760-40K42, 760 nm , 10 mW at 50 mA, 12°, TO-18, ball lens	11,45	13,05
LED760-40M32, 760 nm , 10 mW at 50 mA, 20°, TO-18, ball lens	9,12	10,39
IB5-43B8-765, 765nm 18 mW at 50 mA, 15°, 5 mm clear epoxy	3,10	3,53
LED770-6-30, 770 nm , 6-7 mW at 20 mA, ±15°, 5 mm clear epoxy	3,30	3,76
LED770-03AU, 770 nm , 18 mW at 50 mA, ±15°, 5 mm clear epoxy	3,18	3,62
ELD-770-324, 770 nm , 15 mW at 50 mA, 20°, 3 mm clear epoxy	3,43	3,91
ELD-770-524, 770 nm , 20 mW at 50 mA, 20°, 5 mm clear epoxy	3,43	3,91
LED780-01AU, 780 nm , 24 mW at 50 mA, ±10°, 5 mm clear epoxy	3,18	3,62
LED780-03AU, 780 nm , 18 mW at 50 mA, 30°, 5 mm clear epoxy	3,18	3,62
LED780-33AU, 780 nm , 18 mW at 50 mA, 30°, 3 mm clear epoxy	3,18	3,62
ELD-780-524, 780 nm , 16 mW at 50 mA, 18°, 40 ns, 5 mm clear epoxy	3,43	3,91
ELD-780-525, 780 nm , 45 mW at 100 mA, 20°, 20 ns, 5 mm clear epoxy	3,43	3,91
800 nm - 890 nm	EUR	USD
LED800-01AU, 800 nm , 22 mW at 50 mA, ±10°, 5 mm clear epoxy	3,00	3,42
ELD-810-525, 810 nm , 45 mW at 100 mA, 20°, 5 mm clear epoxy	3,43	3,91

ELD-810-345, 810 nm , 18 mW at 50 mA, 30°, 3 mm clear epoxy	3,43	3,91
LED810-03AU, 810 nm , 18 mW at 50 mA, ±15°, 5 mm clear epoxy	3,00	3,42
LED820-01AU, 820 nm , 18 mW at 50 mA, ±10°, 5 mm clear epoxy	2,54	2,89
IB5-43B8-830, 830nm 22 mW at 50 mA, 15°, 5 mm clear epoxy	2,40	2,73
LED830-03AU, 830 nm , 20 mW at 50 mA, ±15°, 5 mm clear epoxy	2,54	2,89
LED830-06AU, 830 nm , 20 mW at 50 mA, ±6°, 5 mm clear epoxy	2,74	3,12
LED840-04AU, 840 nm , 20 mW at 50 mA, ±20°, 5 mm clear epoxy	2,54	2,89
ELD-840-515, 840 nm , 15 mW at 100 mA, 11°, 5 mm clear epoxy	3,43	3,91
B5B-850-8, 850 nm , 34 mW at 100 mA, ±8°, 5 mm clear epoxy	1,82	2,07
I3NA5111A, 850 nm , 60mW/sr at 100 mA, 15°, 5mm clear epoxy	1,52	1,73
ELD-850-394, 850 nm , 18 mW at 50 mA, 90°, 3 mm clear epoxy	3,60	4,10
ELD-850-525, 850 nm , 11 mW at 20 mA, 20°, 5 mm clear epoxy	3,60	4,10
LED850-02UP, 850 nm , 26 mW at 50 mA, ±4°, 5 mm clear epoxy	2,30	2,62
LED850-03UP, 850 nm , 26 mW at 50 mA, ±13°, 5 mm clear epoxy	2,12	2,42
LED850-04UP, 850 nm , 26 mW at 50 mA, ±18°, 5 mm clear epoxy	2,12	2,42
LED850-05UP, 850 nm , 26 mW at 50 mA, ±40°, 5 mm clear epoxy	2,30	2,62
LED870-01UP, 870 nm , 24 mW at 50 mA, 20°, 5 mm clear epoxy	2,12	2,42
LED870F-03U, 870 nm , 22 mW at 50 mA, 30°, 5 mm, tr/ff 15/10ns	2,54	2,89
ELD-870f-515-2, 870 nm , 16 mW at 100 mA, tr/ff: 5 ns, 8°, 5 mm	5,25	5,98
ELD-880-525, 880 nm , 45 mW at 100 mA, 20°, 5 mm clear epoxy	3,43	3,91
RLS-IR880, 880 nm , 10mW/sr at 20mA ±20° 5mm clear epoxy	3,43	3,91
LED890-03AU, 890 nm , 15 mW at 50 mA, ±15°, tr/ff 200/300 ns, 5 mm clear epoxy	1,94	2,21
900 nm - 970 nm	EUR	USD
B5B-900-8, 900 nm , 48 mW at 50 mA, ±8°, 5 mm clear epoxy	2,72	3,10
ELD-900-525, 900 nm , 45 mW at 100 mA, 20°, 5 mm clear epoxy	3,65	4,16
LED910-01, 910 nm , 12 mW at 50 mA, ±10°, 5 mm clear epoxy	2,12	2,42
LED910-02, 910 nm , 12 mW at 50 mA, ±7°, 5 mm clear epoxy	2,16	2,46
ELD-910-525, 910 nm , 28 mW at 100 mA, 20°, 5 mm clear epoxy	3,43	3,91
ELD-935-525, 935 nm , 30 mW at 100 mA, 500 ns, 20°, 5 mm clear epoxy	3,63	4,14
I5LA5113A, 940 nm , 35 mW/sr at 100 mA, 15°, 5mm clear epoxy	0,89	1,01
B5B-940-8, 940 nm , 20 mW at 100 mA, ±8°, 5 mm clear epoxy	0,99	1,13
LED940-06V, 940 nm , 18.0 mW, 150 mW/sr at 50 mA, ±7°, 5 mm clear epoxy	1,80	2,05
LED940-40K42, 940 nm , 18.0 mW, TO-46, cap lens	4,85	5,53
OPE5594S, 940 nm , 16 mW at 100 mA, 10°, 5 mm clear epoxy	1,62	1,84
ELD-960-525, 960 nm , 20 mW at 100 mA, 20°, 5 mm clear epoxy	5,19	5,91
LED970-01, 970 nm , 25 mW/sr, 5.5 mW at 50 mA, 20°, 5 mm clear epoxy	1,94	2,21
LED970-02, 970 nm , 25 mW/sr, 5.5 mW at 50 mA, 14°, 5 mm clear epoxy	1,94	2,21
LED970-06, 970 nm , 25 mW/sr, 5.5 mW at 50 mA, 14°, 5 mm clear epoxy	1,84	2,10
LED970-33, 970 nm , 7 mW/sr, 5.5 mW at 50 mA, ±18°, 3 mm clear epoxy	2,33	2,66
LED980-02, 985 nm , 4 mW at 50 mA, 14°, 5 mm clear epoxy	2,33	2,66
LED980-03, 980 nm , 17 mW at 50 mA, 22°, 5 mm clear epoxy	2,21	2,52
LED980D-03, 980 nm , 30 mW at 50 mA, ±12°, 5 mm clear epoxy	3,12	3,56
1020 nm - 1720 nm	EUR	USD
ELD-1020-525, 1020 nm , 1.0 mW at 20 mA, tr=25ns, tf=40ns, 20°, 5 mm clear epoxy	8,19	9,33
DIL5104, 1040 nm , 9 mW at 20 mA, 30°, 5 mm clear epoxy	5,40	6,15
LED1050-33, 1050 nm , 7 mW at 50 mA, ±21°, 3 mm clear epoxy	10,85	12,36
LED1050-01, 1050 nm , 7 mW at 50 mA, ±12°, 5 mm clear epoxy	10,85	12,36
LED1050-03, 1050 nm , 7 mW at 50 mA, ±15°, 5 mm clear epoxy	10,85	12,36
LED1050-06, 1050 nm , 7 mW at 50 mA, ±9°, 5 mm clear epoxy	11,20	12,76
LED1050G-33, 1050 nm , 15 mW at 50 mA, ±21°, 3 mm clear epoxy	16,28	18,55
LED1050G-03, 1050 nm , 15 mW at 50 mA, ±12°, 5 mm clear epoxy	16,28	18,55
LED1050-35K42, 1050 nm , 1.5 mW at 50 mA, tr,tf: 10 ns, ±6°, TO-46, cap lens	16,61	18,93
LED1050-35T52, 1050 nm , 1 mW at 50 mA, tr,tf: 10 ns, ±55°	16,61	18,93
ELD-1060-525, 1060 nm , 1.6 mW at 20 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	8,19	9,33
LED1070-03, 1070 nm , 9 mW at 50 mA, ±18°, 5 mm clear epoxy	10,85	12,36
LED1070-06, 1070 nm , 9 mW at 50 mA, ±10°, 5 mm clear epoxy	11,20	12,76
LED1070-36, 1070 nm , 9 mW at 50 mA, ±31°, 5 mm clear epoxy	10,85	12,36
DIL5120, 1200 nm , 3.5 mW at 20 mA, 30°, 5 mm clear epoxy	6,30	7,18
ELD-1200-525, 1200 nm , 1.5 mW at 20 mA, tr=25ns, tf=40ns, 20°, 5 mm clear epoxy	11,50	13,10
LED1200-03, 1200 nm , 7 mW at 50 mA, ±12°, 5 mm clear epoxy	12,02	13,70
LED1200-06, 1200 nm , 5 mW at 50 mA, tr,tf=10ns, 8°, 5 mm clear epoxy	12,02	13,70

LED1200S-03, 1200 nm , 9.2 mW at 50 mA, ±14°, 5 mm clear epoxy	12,20	13,90
LED1200-35K42, 1200 nm , 5.5 mW at 50 mA, 16°, TO-46, cap lens	16,61	18,93
LED1200-35M32, 1200 nm , 5.5 mW at 50 mA, 24°, TO-18, cap lens	15,46	17,62
ELD-1300-525, 1300 nm , 2.2 mW at 20 mA, tr,tf=10ns, 25°, 5 mm clear epoxy	8,19	9,33
LED1300-03, 1300 nm , 7 mW at 50 mA, ±14°, 5 mm clear epoxy	12,02	13,70
LED1300-33, 1300 nm , 7 mW at 50 mA, ±23°, 3 mm clear epoxy	12,02	13,70
DIL5130, 1300 nm , 3.5 mW at 20 mA, 30°, 5 mm clear epoxy	6,30	7,18
LED1300-35M32, 1300 nm , 3 mW at 50 mA, ±15°, TO-46, cap lens	15,46	17,62
LED1300-35K42, 1300 nm , 2 mW at 50 mA, ±6°, TO-46, cap lens	16,61	18,93
DIL5144, 1440 nm , 2 mW at 20 mA, 30°, 5 mm clear epoxy	6,30	7,18
LED1450-03, 1450 nm , 3 mW at 50 mA, ±12°, 5 mm clear epoxy	12,02	13,70
LED1450-06, 1450 nm , 3 mW at 50 mA, ±3°, 5 mm clear epoxy	12,55	14,30
LED1450-35K42, 1450 nm , 2.5 mW at 50 mA, 12°, TO-46, cap lens	14,97	17,06
ELD-1450-525, 1450 nm , 1.8 mW 20 mA, 20°, 5 mm clear epoxy	8,19	9,33
ELD-1500-525, 1500 nm , 3.3 mW at 20 mA, 20°, 5 mm clear epoxy	8,19	9,33
ELD-1550-525, 1550 nm , 3.3 mW at 20 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	8,19	9,33
LED1550-03, 1550 nm , 2.7 mW at 50 mA, ±9°, 5 mm clear epoxy	12,02	13,70
LED1550S-03, 1550 nm , 3.8 mW at 50 mA, ±13°, 5 mm clear epoxy	12,20	13,90
LED1550-35M32, 1550 nm , 2.0 mW at 50 mA, ±15°, TO-46	17,10	19,49
LED1550-35K42, 1550 nm , 2.0 mW at 50 mA, 12°, TO-46, cap lens	14,97	17,06
DIL5165, 1650 nm , 2 mW at 20 mA, 30°, 5 mm clear epoxy	6,30	7,18
ELD-1650-525, 1650 nm , 1.5 mW at 20 mA, 20°, 5 mm clear epoxy	12,50	14,24
LED1650-33, 1650 nm , 2.0 mW at 50 mA, ±21°, 3 mm clear epoxy	12,02	13,70
LED1650S-03, 1650 nm , 2.3 mW at 50 mA, ±12°, 5 mm clear epoxy	12,20	13,90
ELD-1720-015, 1720 nm , 1.0 mW at 20 mA, tr,tf=15ns, 6°, TO-46 with hemisph. Lens	27,50	31,34

LEDS - SMD

352 nm - 1550 nm

EUR

USD





SMD LEDs
wavelengths from UV to IR


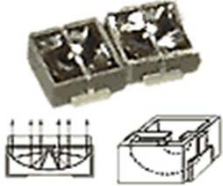
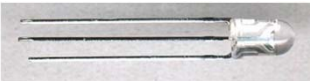

custom wavelengths and packages available on
request

1-49 pcs.

1-49 pcs.



RLCU-355, 353-360 nm , 0.75 mW/sr at 20 mA, 120°, ceramic SMD, 3x2x1mm	7,22	8,23
360-PLCC2-120, 360 nm , 500 uW at 20 mA, 120°, SMD PLCC, 2.70 x 3.50 x 1.90 mm	5,20	5,93
XSL-360-SD, 360 nm , 0.9 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	6,80	7,75
XSL-365-SD, 365 nm , 1.2 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	5,65	6,44
UVLED365-SMD, 365 nm , 3.0 mW at 20 mA, 100°, SMD 3.0x2.0x1.2 mm	2,55	2,91
UVLED365E-SMD, 365 nm , 5.0 mW at 20 mA, 100°, SMD 3.0x2.0x1.2 mm	3,39	3,86
RLCU-365, 363-370 nm , 0.78 mW/sr at 20 mA, 120°, ceramic SMD, 3x2x1mm	8,97	10,22
XSL-370-SD, 370 nm , 2.0 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	4,20	4,79
VL370-3228, 370 nm , 2.0-2.5 mW at 20 mA, 120°, SMD 3.6x2.9x0.8 mm	2,60	2,96
RLS370SMD0805, 370 nm , 1 mW at 20 mA, 120°, SMD 0805	5,36	6,11
XSL-375-SD, 375 nm , 3.5 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	3,23	3,68
RLCU-375, 375-380 nm , 1.5-4.0 mW at 20mA, 120°, ceramic SMD, 3x2x1mm	4,70	5,36
UVLED375-SMD, 375 nm , 5.0 mW at 20 mA, 100°, SMD 3.0x2.0x1.2 mm	1,79	2,04
UVLED375E-SMD, 375 nm , 13 mW at 20 mA, 100°, SMD 3.0x2.0x0.7 mm	3,20	3,65
RLCU-380, 380-385 nm , typ. 8 mW at 20mA, 120°, ceramic SMD, 3x2x1mm	3,20	3,65
RLCU-390, 390-395 nm , typ. 16 mW at 20mA, 120°, ceramic SMD, 3x2x1mm	2,76	3,15
SMC395, 395 nm , 8.0 mW at 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	3,10	3,53
M5DLS1C1A, warm white 3000K, 1.3 cd at 20 mA, SMD 3.2 x 2.8 mm ² , 120	1,20	1,37
W5DLS1C1A, white, 3.0 cd at 20 mA, SMD 3.2 x 2.8 mm ² , 120°	1,20	1,37
RLCU-400, 400-405 nm , 4.2-11 mW at 20mA, 120°, ceramic SMD, 3x2x1mm	3,10	3,53
VL400-3228, 400 nm , 9.0-10.0 mW at 20 mA, 120°, SMD 3.6x2.9x0.8 mm	1,31	1,49
VL405-3228, 405 nm , 8.0-10.0 mW at 20 mA, 120°, SMD 3.2x2.8x0.8 mm	1,31	1,49
SMC405, 405 nm , 4 mW at 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	3,10	3,53
SMT405R, 405 nm , 12.5 mW at 20 mA, 110°, SMD, 3.5x2.7x1.8 mm	4,13	4,71
RV5-405-SMD, 405 nm , 14 mW, 20 mA, 120°, SMD 3.5x2.8x1.9mm	3,40	3,87
RLCU-410, 410-415 nm , typ. 16 mW at 20mA, 120°, ceramic SMD, 3x2x1mm	2,73	3,11

RLCU-415, 415-420 nm , typ. 16 mW at 20mA, 120°, ceramic SMD, 3x2x1mm	2,64	3,01
SMC415, 415 nm , 4.0 mW at 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	3,10	3,53
RLCU-420, 420-425 nm , typ. 16 mW at 20mA, 120°, ceramic SMD, 3x2x1mm	2,58	2,94
SMC430, 430 nm , 10 mW at 20 mA, 112°, ceramic SMD, 3.0x2.0x1.1 mm	3,10	3,53
RLCU-430, 425-435 nm , 8 mW at 30mA, 120°, ceramic SMD, 3x2x1mm	3,10	3,53
SMC470, 470 nm , 3.5 mW at 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	2,55	2,91
SMC490, 490 nm , 6.1 mW at 20 mA, 128°, ceramic SMD, 3.0x2.0x1.1 mm	4,42	5,04
SMC525, 525 nm , 1.0 mW at 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	4,42	5,04
SMC565, 565 nm , 0.1 mW at 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	1,15	1,31
SMC570, 570 nm , 0.2 mW at 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	1,77	2,02
SMT570, 570 nm , 0.3 mW at 20 mA, 110°, SMD, 3.5x2.7x1.8 mm	1,77	2,02
SMC630, 630 nm , 0.2 mW at 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	1,77	2,02
SMC660N, 660 nm , 12 mW at 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	1,77	2,02
SMT660/910, 660/910 nm , 2.5/2.5 mW at 20 mA, 110°, SMD, 3.5x2.7x1.8 mm	7,05	8,03
SMC680, 680 nm , 3 mW at 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	5,30	6,04
SMC700, 700 nm , 3 mW at 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	5,30	6,04
SMT700, 700 nm , 3 mW at 20 mA, 110°, SMD, 3.5x2.7x1.8 mm	4,59	5,23
SMC720, 720 nm , 3 mW at 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	5,30	6,04
SMT720, 720 nm , 8 mW at 50 mA, 110°, SMD, 3.5x2.7x1.8 mm	4,59	5,23
SMC735, 735 nm , 10 mW at 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	5,23
SMT735, 735 nm , 10 mW at 50 mA, 110°, SMD, 3.5x2.7x1.8 mm	3,89	4,43
ELS-740-994, 740 nm , 6.5 mW at 50 mA, 120°, SMD PLCC 2, TOP LED, 3.5x2.8x1.9 mm	3,90	4,44
SMT750, 750 nm , 14 mW at 50 mA, 110°, SMD, 3.5x2.7x1.8 mm	3,89	4,43
SMT750-23, 750 nm , 20 mW at 50 mA, 30°, SMD, 3.5x2.7x3.5 mm	4,15	4,73
SMC750, 750 nm , 10 mW at 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	5,23
SMC770, 770 nm , 10 mW at 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	5,23
SMC780, 780 nm , 10 mW at 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	5,23
SMT780, 780 nm , 24 mW at 50 mA, 126°, SMD, 3.5x2.7x1.8 mm	3,26	3,71
SMC810, 810 nm , 10 mW at 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	4,24	4,83
SMC830, 830 nm , 10 mW at 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	4,24	4,83
SMC850, 850 nm , 15 mW at 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	2,92	3,33
SMT850N, 850 nm , 22 mW at 50 mA, 124°, SMD, 3.5x2.7x1.8 mm	2,85	3,25
SMT850-23, 850 nm , 22 mW at 50 mA, 30°, SMD, 3.5x2.7x3.5 mm	2,92	3,33
SMC870, 870 nm , 19 mW at 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	2,92	3,33
SMT870-23, 870 nm , 22 mW at 50 mA, 30°, SMD, 3.5x2.7x3.5 mm	2,92	3,33
SMC890, 890 nm , 8 mW at 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	2,56	2,92
SMC910, 910 nm , 5 mW at 50 mA, 126°, ceramic SMD, 3.0x2.0x1.1 mm	2,92	3,33
SMC940, 940 nm , 10 mW at 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	1,70	1,94
SMT940-23, 940 nm , 16 mW at 50 mA, 36°, SMD, 3.5x2.7x3.5 mm	1,41	1,61
SMC970, 970 nm , 4.0 mW at 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	1,94	2,21
SMC1050, 1050 nm , 5 mW at 50 mA, 132°, cer. SMD, 3.0x2.0x1.1 mm	13,43	15,30
SMC1200, 1200 nm , 5 mW at 50 mA, 124°, ceramic SMD, 3.0x2.0x1.1 mm	13,43	15,30
SMC1300, 1300 nm , 3.5 mW at 50 mA, 110°, cer. SMD, 3.0x2.0x1.1 mm	13,43	15,30
SMC1450, 1450 nm , 2 mW at 50 mA, 132°, ceramic SMD, 3.0x2.0x1.1 mm	13,43	15,30
SMC1550, 1550 nm , 1.3 mW at 50 mA, 124°, ceramic SMD, 3.0x2.0x1.1 mm	13,43	15,30
ACCESSORIES FOR SMD LEDs	EUR	USD
 PCB boards to get your SMD 3020 LEDs mounted easily!		
PCB-SMD3020, PCB Heat Sink for SMD 3020 LEDs, Al, white, 15.0x15.0x1.1 mm	5,90	6,72
SMD-LED on Si carrier 4 x 2 mm²	EUR	USD
 ELS-xxx series high power LEDs on silicon carrier		
	1-49 pcs.	1-49 pcs.

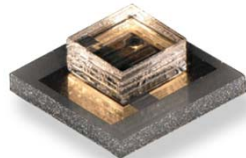
ELS-810-638, 810 nm , 1.9 x 2.0 mm ² , 17 mW, 30°, 30 ns, flip chip	7,84	8,94
SUPER FLUX LED square EPOXY	EUR	USD
 <p>high flux LED series If: 20 mA, +/-45° angle clear epoxy package</p> <p>base size: 7.6 x 7.6 mm²</p>	1-299 pcs.	1-299 pcs.
3W1S2HCA, white , 1.5-2.0 cd at 20 mA, Vf <3.6 V, ±45°	0,66	0,75
3B1S2HCA, blue, 470 nm , 1.0-1.4 cd at 20 mA, Vf <3.6 V, ±45°	0,40	0,46
3G1S2HCA, green, 522 nm , 2-3 cd at 20 mA, Vf <3.6 V, ±45°	0,56	0,64
3Y1S2HCA, yellow, 590 nm , 0.7-0.9 cd at 20 mA, Vf <2.1 V, ±45°	0,22	0,25
3R1S2HCA, red, 622 nm , 0.7-0.9 cd at 20 mA, Vf <2.1 V, ±45°	0,22	0,25
3RGB13HCA, 620 / 520 / 460 nm , 2 / 3.5 / 1.25 lm, 3 x 20 mA, ±45°	0,91	1,04
REFLECTOR LED square EPOXY	EUR	USD
 <p>surface emitting SMD LED narrow beam, ultra high brightness, high flux, integrated parabolic reflector design, small size</p> <p>base size: 6 x 6 x 3 mm³</p>	1-9 pcs.	1-9 pcs.
TOLATB004, blue, 460 nm , 27 cd at 20 mA, Vf = 3.5V, ±9°	5,61	6,40
TOLATG004, green, 530 nm , 27 cd at 20 mA, Vf = 3.5V, ±9°	5,61	6,39
TOLATR002, red, 625 nm , 15 cd at 20 mA, Vf = 2.1V, ±9°	5,61	6,40
TOLAIR002A, IR, 880 nm , 300 mW/sr at 100 mA, Vf = 1.4V, ±9°	5,61	6,40
LEDS - DUAL WAVELENGTH		
	EUR	USD
 <p>series of dual wavelength LEDs 5 mm clear epoxy, contains 2 chip dies</p> <p>custom wavelengths available on request</p>	1-49 pcs.	1-49 pcs.
LED430/565-04A, 430/565 nm , 0.4/0.2 mW, 20 mA, ±20°, 5 mm epoxy	6,18	7,04
LED470/660N-04A, 470/660 nm , 5.0/15.0 mW, 20 mA, ±20°, 5 mm epoxy	6,18	7,04
LED505/630-02A, 505/630 nm , 1.3/2.5 mW, 20 mA, ±20°, 5 mm epoxy	6,71	7,65
LED565/660-04A, 565/660 nm , 0.2/4.0 mW, 20 mA, ±20°, 5 mm epoxy	5,65	6,44
LED635/760-04A, 635/760 nm , 1.5/4.0 mW, 20 mA, ±20°, 5 mm epoxy	5,29	6,03
LED660N/850-04A, 660/850 nm , 15.0/7.0 mW, 20 mA, ±20°, 5 mm epoxy	3,36	3,83
LED660/910-04A, 660/910 nm , 4.5/2.5 mW, 20 mA, ±20°, 5 mm epoxy	3,36	3,83
LED660N/940-04A, 660/940 nm , 15.0/5.0 mW, 20 mA, ±20°, 5 mm epoxy	4,24	4,83
LED750/850-04A, 750/850 nm , 15/18 mW, 20 mA, ±20°, 5 mm epoxy	6,18	7,04
LED750/870-04A, 750/870 nm , 15/22 mW, 20 mA, ±20°, 5 mm epoxy	6,18	7,04
LED760/850-04A, 760/850 nm , 15/18 mW, 20 mA, ±20°, 5 mm epoxy	6,18	7,04
LED760/850-05A, 760/850 nm , 15/18 mW, 20 mA, ±40°, 5 mm epoxy, flat front surface	4,24	4,83
LED760/940-04A, 760/940 nm , 15/14 mW, 20 mA, ±20°, 5 mm epoxy	4,24	4,83
LED780/850-05A, 780/850 nm , 17/18 mW, 20 mA, ±40°, 5 mm epoxy, flat front surface	4,24	4,83
LEDS - SELF MONITORING		
	EUR	USD
 <p>LED series in TO18 package with integrated monitoring photodiode 3 pins, sealed with flat glass window</p> <p>custom wavelengths available on request</p>	1-49 pcs.	1-49 pcs.
LED525-PD010-35D54, 525 nm , 2 mW, 20 mA, ±55°, TO18 flat glass wind., monitor PD	32,80	37,38

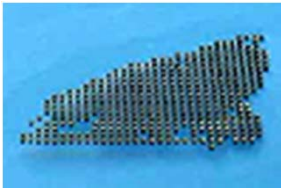
LED610-PD010-35D54, 610 nm , 0.8 mW, 20 mA, $\pm 55^\circ$, TO18 flat glass wind., monitor PD	32,80	37,38
LED780-PD010-40D52, 780 nm , 12 mW, 50 mA, $\pm 55^\circ$, TO18 flat glass wind., monitor PD	72,60	82,73
LED810-PD010-40D52, 810 nm , 6 mW, 50 mA, $\pm 55^\circ$, TO18 flat glass wind., monitor PD	o.r.	o.r.
LED850N-PD010-40D52, 850 nm , 6 mW, 50 mA, $\pm 55^\circ$, TO18 flat glass wind., monitor PD	18,55	21,14
LED890-PD010-40D52, 890 nm , 5 mW, 50 mA, $\pm 40^\circ$, TO18 flat glass wind., monitor PD	18,55	21,14

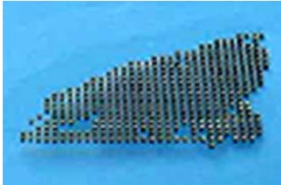

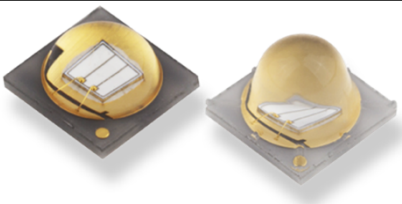
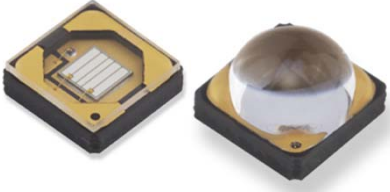
LEDS - RESONANT CAVITY

RC-LED 650 nm	EUR	USD
 <p>RC-LED (resonant cavity LED) wavelength typ. 650 nm, power 1.0 - 1.5 mW</p> <p>packages: TO-46 flat window, 5 mm clear epoxy, side looking epoxy, chip die</p>	1-9 pcs.	1-9 pcs.
RC650-TO46FW, 650 nm RC-LED, 1.0 mW, 20 mA, 90° , TO-46, flat window	9,90	11,28
RC-LED MODULE 650 nm	EUR	USD
 <p>visible 650 nm RC-LED in anodized aluminium header with adjustable 3-lens glass collimator</p> <p>ultra narrow beam, very fast, perfect round spot</p>	1-9 pcs.	1-9 pcs.
RC-LED-650-02, 650 nm RC-LED module, 0.2 mW, 5.5 mrad, tr/ff 3 ns, 10x18 mm	51,80	59,03

LEDS - BARE DIES

DEEP UV LED BARE DIES 265 nm - 340 nm	EUR	USD
 <p>DEEP-UV LED BARE CHIP DIES available as bare chip die and on AlN submount</p> <ul style="list-style-type: none"> - chip material: AlGaIn based - AlN submount - Output Power up to 75 mW <p>265 nm - 340 nm</p>	1-10 pcs.	1-10 pcs.
DUV265-C, 265 ± 5 nm , 0.9 mW at 20 mA, 400 x 600 μm bare chip die	185,71	211,63
DUV265-CS, 265 ± 5 nm , 0.9 mW at 20 mA, 400 x 600 μm bare die on AlN submount	191,43	218,14
DUV265-CM, 265 ± 5 nm , 30 mW at 350 mA, 1000 x 1000 μm bare chip die	113,30	129,11
DUV265-CMS, 265 ± 5 nm , 30 mW at 350 mA, 1000 x 1000 μm bare die on AlN submount	118,20	134,70
DUV275-CL, 275 ± 5 nm , 75 mW at 600 mA, 1000 x 1000 μm bare chip die	113,30	129,11
DUV275-CMS, 275 ± 5 nm , 75 mW at 600 mA, 1000 x 1000 μm bare die on AlN submount	118,20	134,70
DUV280-C, 280 ± 5 nm , 2 mW at 20 mA, 400 x 600 μm bare chip die	150,00	170,93
DUV280-CS, 280 ± 5 nm , 2 mW at 20 mA, 400 x 600 μm bare die on AlN submount	155,71	177,45
DUV280-CL, 280 ± 5 nm , 75 mW at 600 mA, 1000 x 1000 μm bare chip die	113,30	129,11
DUV280-CLS, 280 ± 5 nm , 75 mW at 600 mA, 1000 x 1000 μm bare die on AlN submount	118,20	134,70
DUV310-C, 310 ± 5 nm , 1.6 mW at 20 mA, 400 x 600 μm bare chip die	131,43	149,77
DUV310-CS, 310 ± 5 nm , 1.6 mW at 20 mA, 400 x 600 μm bare die on AlN submount	138,57	157,91
DUV310-CL, 308 ± 5 nm , 75 mW at 600 mA, 1000 x 1000 μm bare chip die	113,30	129,11
DUV310-CLS, 308 ± 5 nm , 75 mW at 600 mA, 1000 x 1000 μm bare die on AlN submount	118,20	134,70
DUV325-C, 325 ± 5 nm , 1.5 mW at 20 mA, 400 x 600 μm bare chip die	90,00	102,56
DUV325-CS, 325 ± 5 nm , 1.5 mW at 20 mA, 400 x 600 μm bare die on AlN submount	95,71	109,07
DUV325-CL, 325 ± 5 nm , 70 mW at 600 mA, 1000 x 1000 μm bare chip die	113,30	129,11
DUV325-CLS, 325 ± 5 nm , 70 mW at 600 mA, 1000 x 1000 μm bare die on AlN submount	118,20	134,70
DUV340-C, 340 ± 5 nm , 1.5 mW at 20 mA, 400 x 600 μm bare chip die	90,00	102,56
DUV340-CS, 340 ± 5 nm , 1.5 mW at 20 mA, 400 x 600 μm bare die on AlN submount	95,71	109,07
DUV340-CL, 340 ± 5 nm , 75 mW at 600 mA, 1000 x 1000 μm bare chip die	113,30	129,11
DUV340-CLS, 340 ± 5 nm , 75 mW at 600 mA, 1000 x 1000 μm bare die on AlN submount	118,20	134,70
355 nm - 1720 nm	EUR	USD

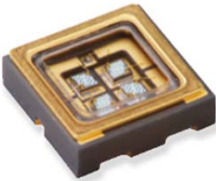

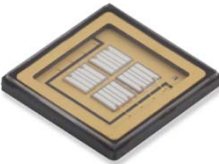
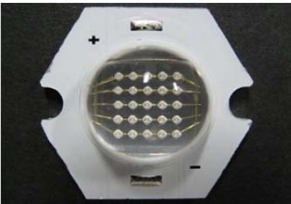
 <p>LED chip dies minimum order quantity 100 pcs. (MOQ)</p> <p>355 nm - 1720 nm</p>		
	10-99 pcs.	10-99 pcs.
C355-2SR1, 355 nm , 0.5-1.0 mW @ 20 mA, size: 280 x 280 µm, MOQ = 20 pcs.	15,43	17,58
C360-2SR1, 360 nm , 0.5-1.0 mW @ 20 mA, size: 280 x 280 µm, MOQ = 20 pcs.	14,25	16,24
C365-2SR2, 365 nm , 1.0-1.5 mW @ 20 mA, size: 280 x 280 µm, MOQ = 20 pcs.	10,03	11,43
C365-5SRA, 365 nm , 3.5-5.0 mW @ 20 mA, size: 350 x 360 µm, MOQ = 20 pcs.	11,58	13,20
C365-3SRA3, 365 nm , 15-20 mW @ 100 mA, size: 600 x 600 µm, MOQ = 10 pcs.	17,34	19,76
C370-2SR4, 370 nm , 2.0-2.5 mW @ 20 mA, size: 280 x 280 µm, MOQ = 20 pcs.	9,25	10,54
C370-5SRA, 370 nm , 4.0-5.5 mW @ 20 mA, size: 350 x 360 µm, MOQ = 20 pcs.	10,60	12,08
C370-3SRA4, 370 nm , 20-25 mW @ 100 mA, size: 600 x 600 µm, MOQ = 10 pcs.	15,43	17,58
C375-2SR10, 375 nm , 4.5-5.5 mW @ 20 mA, size: 280 x 280 µm, MOQ = 20 pcs.	8,88	10,12
C375-5SRA, 375 nm , 6.0-7.5 mW @ 20 mA, size: 350 x 360 µm, MOQ = 20 pcs.	10,58	12,06
C375-3SRA6, 375 nm , 30-35 mW @ 100 mA, size: 600 x 600 µm, MOQ = 10 pcs.	15,43	17,58
C385-5SRA, 385 nm , 8.0-9.5 mW @ 20 mA, size: 350 x 360 µm, MOQ = 20 pcs.	9,65	11,00
C395-5SRA, 395 nm , 12-16 mW @ 20 mA, size: 350 x 360 µm, MOQ = 20 pcs.	7,70	8,77
ELC-395-34, 395 nm , 5 mW @ 20 mA, size: 331 x 331 µm, MOQ = 100 pcs.	6,20	7,07
C405-5SRA, 395 nm , 13-17 mW @ 20 mA, size: 350 x 360 µm, MOQ = 20 pcs.	7,70	8,77
ELC-405-34, 405 nm , 30 mW @ 20 mA, size: 331 x 331 µm, MOQ = 100 pcs.	2,50	2,85
ELC-410-34, 410 nm , 5 mW @ 20 mA, size: 331 x 331 µm, MOQ = 100 pcs.	1,88	2,14
ELC-430-34, 430 nm , 16 mW @ 20 mA, size: 331 x 331 µm, MOQ = 100 pcs.	1,88	2,14
ELC-455-34, 460 nm , 23 mW @ 20 mA, size: 505 x 205 µm, MOQ = 100 pcs.	1,88	2,14
ELC-470-34, 470 nm , 280 mcd @ 20 mA, size: 280 x 310 µm, MOQ = 100 pcs.	1,88	2,14
ELC-490-34, 490 nm , 300 mcd @ 20 mA, size: 280 x 310 µm, MOQ = 100 pcs.	1,93	2,20
ELC-505-34, 505 nm , 400 mcd @ 20 mA, size: 381 x 381 µm, MOQ = 100 pcs.	2,50	2,85
ELC-525-34, 525 nm , 9 mW @ 20 mA, size: 380 x 380 µm, MOQ = 100 pcs.	4,12	4,69
ELC-560-10, 560 nm , 2.4 mcd @ 20 mA, size: 235 x 235 µm, MOQ = 100 pcs.	1,93	2,20
ELC-565-13, 565 nm , 70 mcd @ 20 mA, size: 275 x 275 µm, MOQ = 100 pcs.	2,50	2,85
ELC-572-13, 572 nm , 0.23 mW @ 20 mA, size: 265 x 265 µm, MOQ = 100 pcs.	1,93	2,20
ELC-590-13, 590 nm , 150 mcd @ 20 mA, size: 265 x 265 µm, MOQ = 100 pcs.	1,93	2,20
ELC-610-14, 610 nm , 200 mcd @ 20 mA, size: 295 x 295 µm, MOQ = 100 pcs.	1,93	2,20
ELC-630-15, 630 nm , 600 mcd @ 20 mA, size: 350 x 350 µm, MOQ = 100 pcs.	1,88	2,14
ELC-650-24, 650 nm , 2.0 mW @ 20 mA, size: 310 x 310 µm, MOQ = 100 pcs.	1,93	2,20
ELC-660-23-1, 660 nm , 1.8 mW @ 20 mA, size: 280 x 280 µm, MOQ = 100 pcs.	2,50	2,85
ELC-670-25, 670 nm , 2.5 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	1,88	2,14
ELC-690-25, 690 nm , 2.8 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	1,93	2,20
ELC-690-27, 690 nm , 2.8 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.	1,93	2,20
ELC-700-25, 700 nm , 3 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	1,93	2,20
ELC-730-25, 730 nm , 3 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	2,50	2,85
ELC-740-25, 740 nm , 2.5 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	1,93	2,20
ELC-760-25, 760 nm , 2.5 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	2,50	2,85
ELC-770-25, 770 nm , 2.7 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	1,93	2,20
ELC-800-25, 800 nm , 3.2 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	2,50	2,85
ELC-830-17, 830 nm , 5.5 mw @ 20 mA, size: 365 x 365 µm, MOQ = 100 pcs.	o.r.	o.r.
ELC-850-27, 830 nm , 6.5 mw @ 20 mA, size: 365 x 365 µm, MOQ = 100 pcs.	o.r.	o.r.
ELC-870-17-2, 875 nm , 6 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.	2,50	2,85
ELC-870-27, 875 nm , 4.5 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.	2,50	2,85
ELC-905-17, 905 nm , 4 mw @ 20 mA, size: 365 x 365 µm, MOQ = 100 pcs.	2,50	2,85
ELC-910-17, 910 nm , 7 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.	1,93	2,20
ELC-935-17, 935 nm , 2.5 mW @ 20 mA, size: 365 x 365 µm, MOQ = 100 pcs.	1,93	2,20
ELC-970-17, 970 nm , 2 mW @ 20 mA, size: 365 x 365 µm, MOQ = 100 pcs.	3,90	4,44
ELC-980-17-1, 980 nm , 2 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	5,25	5,98
ELC-1020-17-1, 1020 nm , 3 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	7,80	8,89
ELC-1060-17-1, 1060 nm , 4 mW @ 50 mA, size: 365 x 365 µm, MOQ = 100 pcs.	10,14	11,56
ELC-1300-17, 1300 nm , 3.5 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	8,86	10,10
ELC-1450-17-1, 1450 nm , 2.5 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	9,90	11,28
ELC-1550-17-1, 1550 nm , 5 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	11,99	13,66

ELC-1650-17-1, 1650 nm , 2.5 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	9,90	11,28
ELC-1720-17, 1720 nm , 3 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	8,86	10,10
HIGH POWER LED CHIP DIES 365 nm - 970 nm 1x1 mm²	EUR	USD
 <p>High Power LED chip dies, 1x1 mm² minimum order quantity (MOQ) -> request</p> <p>365 nm - 970 nm</p>	10-99 pcs.	10-99 pcs.
C385H1-V08B, 385-390 nm , 70-80 mW, 350 mA, <3.8 V, 40 mil, LED chip die, InGaN	6,72	7,66
C385H1-V08B, 395-400 nm , 80-90 mW, 350 mA, <4.0 V, 40 mil, LED chip die, InGaN	5,04	5,74
C405H1-DZX3D, 400-405 nm , 80-90 mW, 350 mA, <4.0 V, 40 mil, LED chip die, InGaN	3,60	4,10
C410H1-D1N3F, 410-415 nm , 120-140 mW, 350 mA, <4.0 V, 40 mil, LED chip die, InGaN	3,30	3,76
C420H1-D1N3F, 420-425 nm , 120-140 mW, 350 mA, <4.0 V, 40 mil, LED chip die, InGaN	2,96	3,37
C700-1x1, 700 nm , size: 1x1 mm, LED chip die	2,76	3,15
C810-1x1, 810 nm , size: 1x1 mm, LED chip die	2,54	2,89
LEDS - UV / SMD HIGH POWER SINGLE		
	EUR	USD
 <p>single emitter high power UV-LED</p> <ul style="list-style-type: none"> - ceramic SMD package - integrated Zener diode (ESD protection) - glass window <p>365 nm - 385 nm</p>	1-5 pcs.	1-5 pcs.
UVLED-365-750-SMD, 365 nm , typ. 750 mW at 500 mA, Uf: typ. 3.8 V, 120°, 6.8 x 6.8 x 2.1 mm	19,95	22,73
UVLED-385-800-SMD, 385 nm , typ. 800 mW at 500 mA, Uf: typ. 3.6 V, 120°, 6.8 x 6.8 x 2.1 mm	19,95	22,73
 <p>single emitter high power UV-LED</p> <ul style="list-style-type: none"> - ceramic SMD package - high thermal conductivity - silicone dome lens <p>365 nm - 420 nm</p>	1-5 pcs.	1-5 pcs.
CUN66A1B, 365 nm , 900 mW at 500 mA, Uf: typ. 3.6 V, 120°, 3.5 x 3.5 x 2.0 mm	7,99	9,11
CUN66B1B, 365 nm , 1000 mW at 500 mA, Uf: typ. 3.6 V, 45°, 3.5 x 3.5 x 2.8 mm	7,99	9,11
CUN86A1B, 385 nm , 1200 mW at 500 mA, Uf: typ. 3.6 V, 120°, 3.5 x 3.5 x 2.0 mm	11,05	12,59
CUN86B1B, 385 nm , 1200 mW at 500 mA, Uf: typ. 3.6 V, 45°, 3.5 x 3.5 x 2.8 mm	10,54	12,01
CUN96A1B, 395 nm , 1100 mW at 500 mA, Uf: typ. 3.4 V, 120°, 3.5 x 3.5 x 2.0 mm	6,89	7,85
CUN96B1B, 395 nm , 1270 mW at 500 mA, Uf: typ. 3.4 V, 45°, 3.5 x 3.5 x 2.8 mm	6,89	7,85
CUN06A1B, 405 nm , 1100 mW at 500 mA, Uf: typ. 3.3 V, 120°, 3.5 x 3.5 x 2.0 mm	6,89	7,85
CUN06B1B, 405 nm , 1200 mW at 500 mA, Uf: typ. 3.3 V, 45°, 3.5 x 3.5 x 2.8 mm	6,89	7,85
CUN26A1B, 420 nm , 970 mW at 500 mA, Uf: typ. 3.4 V, 120°, 3.5 x 3.5 x 2.0 mm	6,89	7,85
CUN26B1B, 420 nm , 1040 mW at 500 mA, Uf: typ. 3.4 V, 45°, 3.5 x 3.5 x 2.8 mm	5,87	6,68
 <p>single emitter high power UV-LED</p> <ul style="list-style-type: none"> - ceramic SMD package - high thermal conductivity - silicone lens <p>365 nm - 405 nm</p>	1-5 pcs.	1-5 pcs.
CUN6GF1A, 365 nm , 1400 mW at 1 A, ± 60°, 3.5 x 3.5 x 1.1 mm, flat window	15,05	17,14
CUN6GB1A, 365 nm , 1400 mW at 1 A, ± 30°, 3.5 x 3.5 x 2.5 mm, dome lens	17,51	19,95
CUN8GF1A, 385 nm , 1600 mW at 1 A, ± 60°, 3.5 x 3.5 x 1.1 mm, flat window	14,79	16,85
CUN8GB1A, 385 nm , 1600 mW at 1 A, ± 30°, 3.5 x 3.5 x 2.5 mm, dome lens	15,64	17,82
CUN9GF1A, 395 nm , 1600 mW at 1 A, ± 60°, 3.5 x 3.5 x 1.1 mm, flat window	15,13	17,24
CUN9GB1A, 395 nm , 1600 mW at 1 A, ± 30°, 3.5 x 3.5 x 2.5 mm, dome lens	14,28	16,27
CUN0GF1A, 405 nm , 1600 mW at 1 A, ± 60°, 3.5 x 3.5 x 1.1 mm, flat window	15,64	17,82
CUN0GB1A, 405 nm , 1600 mW at 1 A, ± 30°, 3.5 x 3.5 x 2.5 mm, dome lens	15,13	17,24

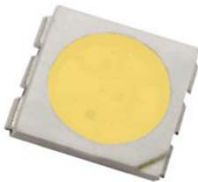
	<p>single emitter high power UV-LED</p> <ul style="list-style-type: none"> - ceramic SMD package - integrated Zener diode (ESD protection) - glass lens <p>365 nm - 405 nm</p>		
		1-5 pcs.	1-5 pcs.
UVLED-365-NV2, 365 nm , 1430 mW at 1.0 A, ± 60°, 3.5 x 3.5 x 1.23 mm, flat window		28,35	32,31
UVLED-365-NV2D, 365 nm , 1430 mW at 1.0 A, ± 30°, 3.5 x 3.5 x 2.73 mm, dome lens		32,55	37,09
UVLED-385-NV2, 385 nm , 1400 mW at 1.0 A, ± 60°, 3.5 x 3.5 x 1.23 mm, flat window		28,35	32,31
UVLED-385-NV2D, 385 nm , 1400 mW at 1.0 A, ± 30°, 3.5 x 3.5 x 2.73 mm, dome lens		32,55	37,09
UVLED-395-NV2, 395 nm , 1400 mW at 1.0 A, ± 60°, 3.5 x 3.5 x 1.23 mm, flat window		28,35	32,31
UVLED-395-NV2D, 395 nm , 1400 mW at 1.0 A, ± 30°, 3.5 x 3.5 x 2.73 mm, dome lens		32,55	37,09
UVLED-405-NV2, 405 nm , 1400 mW at 1.0 A, ± 60°, 3.5 x 3.5 x 1.23 mm, flat window		28,35	32,31
UVLED-405-NV2D, 405 nm , 1400 mW at 1.0 A, ± 30°, 3.5 x 3.5 x 2.73 mm, dome lens		32,55	37,09
	<p>single emitter high power UV-LED</p> <ul style="list-style-type: none"> - aluminium SMD package - integrated ESD protection - UV transparent flat window <p>365 nm - 405 nm</p>		
		1-5 pcs.	1-5 pcs.
CUN6AF1B, 365 nm , 690 mW at 500 mA, ± 60°, aluminium SMD, 6.4 x 6.4 mm, flat window		17,85	20,34
CUN7AF1B, 375 nm , 710 mW at 500 mA, ± 60°, aluminium SMD, 6.4 x 6.4 mm, flat window		o.f.	o.f.
CUN8AF1B, 385 nm , 950 mW at 500 mA, ± 60°, aluminium SMD, 6.4 x 6.4 mm, flat window		17,85	20,34
CUN9AF1B, 395 nm , 900 mW at 500 mA, ± 60°, aluminium SMD, 6.4 x 6.4 mm, flat window		13,26	15,11
CUN0AF1B, 405 nm , 900 mW at 500 mA, Uf: typ. 3.6 V, 110°, 6.3 x 6.3 x 1.4 mm		12,75	14,53
	<p>single emitter high power UV-LED</p> <ul style="list-style-type: none"> - ceramic SMD package - integrated Zener diode (ESD protection) - glass window - highest output power 		
		1-5 pcs.	1-5 pcs.
UVLED-365-NV3, 365 nm , 3640 mW at 3.5 A, ± 60°, 6.8 x 6.8 x 1.9 mm		136,50	155,55
UVLED-385-NV3, 385 nm , 4640 mW at 3.5 A, ± 60°, 6.8 x 6.8 x 1.9 mm		136,50	155,55
UVLED-405-NV3, 405 nm , 4640 mW at 3.5 A, ± 60°, 6.8 x 6.8 x 1.9 mm		136,50	155,55
	<p>single emitter high power UV-LED</p> <ul style="list-style-type: none"> - ceramic SMD package - integrated ESD protection - silicon resin lens <p>365 nm - 405 nm</p>		
		1-5 pcs.	1-5 pcs.
UVLED-365-NV1, 365 nm , 780 mW at 500 mA, ± 65°, 3.5 x 3.5 x 1.23 mm		12,50	14,24
UVLED-375-NV1, 375 nm , 1160 mW at 700 mA, ± 65°, 3.5 x 3.5 x 1.23 mm		6,25	7,12
UVLED-385-NV1, 385 nm , 1340 mW at 700 mA, ± 65°, 3.5 x 3.5 x 1.23 mm		6,25	7,12
UVLED-395-NV1, 395 nm , 1340 mW at 700 mA, ± 65°, 3.5 x 3.5 x 1.23 mm		6,25	7,12
UVLED-405-NV1, 405 nm , 1420 mW at 700 mA, ± 70°, 3.5 x 3.5 x 1.23 mm		6,25	7,12
	<p>single emitter high power UV-LED</p> <ul style="list-style-type: none"> - ceramic SMD package - integrated ESD protection - silicon resin <p>365 nm - 405 nm</p>		
		1-5 pcs.	1-5 pcs.
UVLED-365-NC2, 365 nm , 150 mW at 500 mA, ± 60°, 3.5 x 3.5 x 0,88 mm		3,75	4,27
UVLED-375-NC2, 375 nm , 275 mW at 500 mA, ± 60°, 3.5 x 3.5 x 0,88 mm		3,75	4,27
UVLED-385-NC2, 385 nm , 350 mW at 500 mA, ± 60°, 3.5 x 3.5 x 0,88 mm		3,75	4,27
UVLED-395-NC2, 395 nm , 360 mW at 500 mA, ± 60°, 3.5 x 3.5 x 0,88 mm		3,75	4,27
UVLED-405-NC2, 405 nm , 370 mW at 500 mA, ± 60°, 3.5 x 3.5 x 0,88 mm		3,75	4,27

	<p>high radiation intensity surface mount LED on AlN ceramics submount, silver plated soldering pads, lead free solderable, RoHs compliant, Top - 40...85°C</p> <p>size: 3.8x3.8x0.9 mm</p>		
		1-9 pcs.	1-9 pcs.
RLCU-440-365, 365-370 nm , 40-90 mW at 350mA, Vf=4.0V, 120°		64,60	73,62
RLCU-440-380, 380-385 nm , 90-160 mW at 350mA, Vf=4.0V, 120°		32,80	37,38
RLCU-440-390, 390-395 nm , 130-260 mW at 350mA, Vf=4.0V, 120°		23,90	27,24
RLCU-440-400, 400-405 nm , 190-310 mW at 350mA, Vf=4.0V, 120°		20,40	23,25
RLCU-440-410, 410-415 nm , typ.250 mW at 350mA, Vf=4.0V, 120°		28,50	32,48
RLCU-440-415, 415-420 nm , typ.250 mW at 350mA, Vf=4.0V, 120°		28,50	32,48
RLCU-440-720, 720 nm , 30-50 mW/sr at 350mA, 120°		12,00	13,67
RLCU-440-880, 880 nm , 20-30 mW/sr at 350mA, 120°		12,00	13,67
RLCU-440-970, 970 nm , typ.9 mW/sr at 350mA, 120°		22,80	25,98
RLCU-440-1020, 1020 nm , typ.17 mW/sr at 350mA, 120°		29,70	33,84
RLCU-440-1050, 1050 nm , typ.16 mW/sr at 350mA, 120°		29,70	33,84
	<p>high power UV-LED series hermetic ceramic SMD package UV resistant silicone mold integrated zener diode ESD protection</p> <p>size: 5.0 x 5.0 x 1.0 mm</p>		
		1-5 pcs.	1-5 pcs.
VL370-5050, 370 nm , 20-30 mW at 350 mA, Uf: typ. 4.0-4.2 V, 120° -> phase out		21,60	24,61
VL400-5050, 400 nm , 100-110 mW at 350 mA, Uf: typ. 3.5-3.8 V, 120° -> phase out		10,95	12,48
	<p>high power single chip UV-LED series hermetic ceramic SMD package UV resistant silicone mold integrated zener diode ESD protection low operation current size: 4.2 x 4.2 x 1.3 mm</p>		
		1-5 pcs.	1-5 pcs.
XRL-375-SD, 375 nm , 48 mW at 100 mA, 1 chip, 120°, ceramic SMD, 4.2 x 4.2 x 1.3 mm		49,80	56,75
	<p>high power 4-chip UV-LED series hermetic ceramic SMD package UV resistant silicone mold integrated zener diode ESD protection low operation current size: 4.2 x 4.2 x 1.3 mm</p>		
		1-5 pcs.	1-5 pcs.
XHL-375-SD, 375 nm , 95 mW at 80 mA, 4 chips, 125°, ceramic SMD, 4.2 x 4.2 x 1.3 mm		49,00	55,84
XHL-400-SD, 400 nm , 150 mW at 80 mA, 4 chips, 125°, ceramic SMD, 4.2 x 4.2 x 1.3 mm		36,60	41,71
	<p>high power single chip UV-LED series hermetic ceramic emitter package UV resistant silicone mold</p>		
		1-5 pcs.	1-5 pcs.
VL380-EMITTER, 380 nm , 200-300 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°		18,00	20,51
VL390-EMITTER, 390 nm , 200-300 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°		17,00	19,37
VL400-EMITTER, 400 nm , 300-400 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°		16,00	18,23
VL410-EMITTER, 410 nm , 300-400 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°		15,00	17,09
VL440-EMITTER, 440 nm , 400-500 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°		14,00	15,95
	<p>high power single chip UV-LED series hermetic ceramic emitter package containing ESD protection diode UV resistant silicone mold</p>		
		1-5 pcs.	1-5 pcs.
RV5-EMITTER-1W, 405 nm , 250 mW at 350 mA, Uf: <4.0 V, 140°		7,99	9,11


LEDS / UV / SMD HIGH POWER MULTI

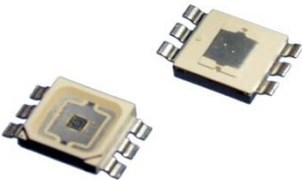
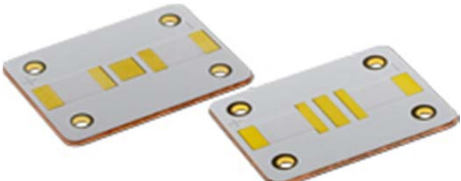


	EUR	USD
 <p>4 chip emitter high power UV-LED</p> <ul style="list-style-type: none"> - ceramic SMD package - integrated Zener diode (ESD protection) - glass window - highest output power <p>365 nm - 385 nm</p>	1-5 pcs.	1-5 pcs.
UVLED-365-2000-SMD, 365 nm , typ 2.0 W at 500 mA, Uf: typ 15.0 V, 120°, 6.8x6.8x1.84 mm	73,50	83,76
UVLED-385-1200-SMD, 385 nm , typ 1.2 mW at 500 mA, Uf: typ 14.8 V, 120°, 6.8x6.8x1.84 mm	60,00	68,37
UVLED-385-2400-SMD, 385 nm , typ 2.4 W at 500 mA, Uf: typ 14.8 V, 120°, 6.8x6.8x1.84 mm	73,50	83,76
 <p>4 chip emitter high power UV-LED</p> <ul style="list-style-type: none"> - aluminium SMD package - integrated ESD protection - glass window - highest output power <p>365 nm - 395 nm</p>	1-5 pcs.	1-5 pcs.
CUN6AF4A, 365 nm , 2.35 W at 1 A, Uf: typ. 7.8 V, 110°, 6.35 x 6.35 x 1.4 mm	41,65	47,46
CUN8AF4A, 385 nm , 3.75 W at 1 A, Uf: typ. 7.4 V, 110°, 6.35 x 6.35 x 1.4 mm	28,73	32,74
CUN9AF4A, 395 nm , 3.75 W at 1 A, Uf: typ. 7.4 V, 110°, 6.35 x 6.35 x 1.4 mm	32,98	37,58
 <p>4 chip emitter high power UV-LED</p> <ul style="list-style-type: none"> - aluminium SMD package - glass window - highest output power <p>365 nm - 405 nm</p>	1-5 pcs.	1-5 pcs.
CUN6HF4A, 365 nm , 3.8 W at 3 A, Uf: typ. 3.7 V, 115°, 6.8 x 6.8 x 1.0 mm	76,50	87,18
CUN8HF4A, 385 nm , 5.3 W at 3 A, Uf: typ. 3.5 V, 115°, 6.8 x 6.8 x 1.0 mm	49,98	56,96
CUN9HF4A, 395 nm , 5.3 W at 3 A, Uf: typ. 3.4 V, 115°, 6.8 x 6.8 x 1.0 mm	43,35	49,40
CUN0HF4A, 405 nm , 5.3 W at 3 A, Uf: typ. 3.4 V, 115°, 6.8 x 6.8 x 1.0 mm	43,35	49,40
 <p>high power multi chip UV-LED series hermetic ceramic SMD package UV resistant silicone mold</p> <p>size: Ø19.9 x 7.9 mm</p>	1-5 pcs.	1-5 pcs.
XML-365-SD, 365 nm , 200 mW at 300 mA, 25 chips, ceramic SMD, 19.9 x 7.9 mm	175,00	199,42
XML-385-SD, 385 nm , 1000 mW at 300 mA, 25 chips, ceramic SMD, 19.9 x 7.9 mm	175,00	199,42




LEDS - HIGH POWER




HIGH POWER TOP SMD LED	EUR	USD
 <p>high power SMD LED series If: 3 x 20 mA, +/-60° angle 3 chips inside</p> <p>size: 6.0 x 5.0 x 1.7 mm ▶ PHASE OUT</p>	1-49 pcs.	1-49 pcs.
WTFH01DS, white , 3 cd at 3x20mA, Vf = 3.2V, ±60°	2,29	2,61
GNFH01TS, green, 523 nm , 1.3 cd at 3x20mA, Vf = 3.2V, ±60°	1,33	1,51
OMFH01TS, red, 626 nm , 540 mcd at 3x20mA, Vf = 2.3V, ±60°	1,00	1,14
HIGH POWER TOP SMD LED SMB1N series	EUR	USD




	<p>1 W high power LED series, power chip technology, chip size 1 x 1 mm², mounted on copper heat sink into a PA9T SMD package, without leads, flat or with lens 365 - 1550 nm available</p> <p>base size: 5.0 x 5.2 mm, silicone / epoxy mold</p>	<p>1-49 pcs.</p>	<p>1-49 pcs.</p>
SMB1N-365V, 365 nm , 500 mW at 500 mA, Uf <4.5 V, 126°, 5.0x5.2x1.0 mm	28,90	32,93	
SMB1N-365V-02, 365 nm , 500 mW at 500 mA, Uf <4.5 V, 20°, 5.0x5.2x5.5 mm	27,50	31,34	
SMB1N-375V, 375 nm , 560 mW at 500 mA, Uf <4.5 V, 126°, 5.0x5.2x1.0 mm	26,01	29,64	
SMB1N-375V-02, 375 nm , 560 mW at 500 mA, Uf <4.5 V, 20°, Zener diode, 5.0x5.2x5.5 mm	23,12	26,35	
SMB1N-385V, 385 nm , 720 mW at 500 mA, Uf <3.9 V, 122°, Zener diode, 5.0x5.2x1.0 mm	19,30	21,99	
SMB1N-385V-02, 385 nm , 720 mW at 500 mA, Uf <3.9 V, 22°, Zener diode, 5.0x5.2x5.5 mm	20,95	23,87	
SMB1N-395V, 395 nm , 750 mW at 500 mA, Uf <4.5 V, 126°, 5.0x5.2x1.0 mm	15,65	17,83	
SMB1N-395V-02, 395 nm , 750 mW at 500 mA, Uf <4.5 V, 22°, 5.0x5.2x5.5 mm	17,30	19,71	
SMB1N-405V, 405 nm , 710 mW at 500 mA, Uf <4.2 V, 126°, 5.0x5.2x1.0 mm	15,65	17,83	
SMB1N-405V-02, 405 nm , 710 mW at 500 mA, Uf <4.2 V, 22°, 5.0x5.2x5.5 mm	17,30	19,71	
SMB1N-420H, 420 nm , 420 mW at 350 mA, Uf <3.8 V, 126°, 5.0x5.2x1.0 mm	7,80	8,89	
SMB1N-420H-02, 420 nm , 420 mW at 350 mA, Uf <3.8 V, 20°, Zener diode, 5.0x5.2x5.5 mm	9,45	10,77	
SMB1N-430H, 430 nm , 500 mW at 350 mA, Uf <3.8 V, 128°, 5.0x5.2x1.0 mm	7,80	8,89	
SMB1N-430H-02, 430 nm , 500 mW at 350 mA, Uf <3.8 V, 22°, 5.0x5.2x5.5 mm	9,45	10,77	
SMB1N-435V, 435 nm , 800 mW at 500 mA, Uf <4.5 V, 126°, 5.0x5.2x1.0 mm	20,35	23,19	
SMB1N-D450, 450 nm , 480 mW at 350 mA, Uf <4.0 V, 130°, 5.0x5.2x1.0 mm	8,55	9,74	
SMB1N-D450-02, 450 nm , 480 mW at 350 mA, Uf <4.0 V, 20°, 5.0x5.2x5.5 mm	10,20	11,62	
SMB1N-D470, 470 nm , 480 mW at 350 mA, Uf <3.8 V, 130°, 5.0x5.2x1.0 mm	8,55	9,74	
SMB1N-D470-02, 470 nm , 470 mW at 350 mA, Uf <3.8 V, 20°, 5.0x5.2x5.5 mm	10,20	11,62	
SMB1N-490H, 490 nm , 240 mW at 350 mA, Uf <3.8 V, 128°, 5.0x5.2x1.0 mm	8,55	9,74	
SMB1N-490H-02, 490 nm , 240 mW at 350 mA, Uf <3.8 V, 22°, 5.0x5.2x5.5 mm	10,20	11,62	
SMB1N-515V, 515 nm , 230 mW at 350 mA, Uf <3.6 V, 126°, 5.0x5.2x1.0 mm	8,45	9,63	
SMB1N-515V-02, 515 nm , 250 mW at 350 mA, Uf <3.6 V, 18°, 5.0x5.2x5.5 mm	10,65	12,14	
SMB1N-D520, 520 nm , 250 mW at 350 mA, Uf <3.8 V, 130°, 5.0x5.2x1.0 mm	6,80	7,75	
SMB1N-D520-02, 520 nm , 250 mW at 350 mA, Uf <3.8 V, 22°, 5.0x5.2x5.5 mm	10,20	11,62	
SMB1N-525V, 525 nm , 230 mW at 350 mA, Uf <3.6 V, 126°, 5.0x5.2x1.0 mm	8,45	9,63	
SMB1N-525V-02, 525 nm , 230 mW at 350 mA, Uf <3.6 V, 22°, 5.0x5.2x5.5 mm	10,65	12,14	
SMB1N-590, 590 nm , 120 mW at 350 mA, Uf <3.0 V, 126°, 5.0x5.2x1.0 mm	10,55	12,02	
SMB1N-590-02, 590 nm , 120 mW at 350 mA, Uf <3.0 V, 18°, 5.0x5.2x5.5 mm	10,55	12,02	
SMB1N-620, 620 nm , 190 mW at 350 mA, Uf <2.7 V, 128°, 5.0x5.2x1.0 mm	9,11	10,38	
SMB1N-620-02, 620 nm , 190 mW at 350 mA, Uf <2.7 V, 20°, 5.0x5.2x5.5 mm	10,55	12,02	
SMB1N-D630, 630 nm , 330 mW at 350 mA, Uf <2.8 V, 126°, 5.0x5.2x1.0 mm	8,35	9,52	
SMB1N-D630-02, 630 nm , 330 mW at 350 mA, Uf <2.8 V, 18°, 5.0x5.2x5.5 mm	10,55	12,02	
SMB1N-D660N, 660 nm , 320 mW at 350 mA, Uf <3.0 V, 126°, 5.0x5.2x1.0 mm	7,35	8,38	
SMB1N-D660N-02, 660 nm , 320 mW at 350 mA, Uf <3.0 V, 20°, 5.0x5.2x5.5 mm	9,55	10,88	
SMB1N-670D, 670 nm , 520 mW at 600 mA, Uf <2.5 V, 128°, 5.0x5.2x1.0 mm	9,55	10,88	
SMB1N-670D-02, 670 nm , 520 mW at 600 mA, Uf <3.0 V, 18°, 5.0x5.2x5.5 mm	11,75	13,39	
SMB1N-680, 680 nm , 170 mW at 600 mA, Uf <2.5 V, 124°, 5.0x5.2x1.0 mm	9,80	11,17	
SMB1N-680-02, 680 nm , 170 mW at 600 mA, Uf <2.5 V, 18°, 5.0x5.2x5.5 mm	12,00	13,67	
SMB1N-680D, 680 nm , 520 mW at 600 mA, Uf <3.0 V, 128°, 5.0x5.2x1.0 mm	9,55	10,88	
SMB1N-690D, 690 nm , 520 mW at 600 mA, Uf <3.0 V, 128°, 5.0x5.2x1.0 mm	9,55	10,88	
SMB1N-690D-02, 690 nm , 520 mW at 600 mA, Uf <3.0 V, 18°, 5.0x5.2x5.5 mm	11,75	13,39	
SMB1N-700, 700 nm , 120 mW at 500 mA, Uf <2.7V, 128°, 5.0x5.2x1.0 mm	9,80	11,17	
SMB1N-700-02, 700 nm , 120 mW at 500 mA, Uf <2.7 V, 20°, 5.0x5.2x5.5 mm	12,00	13,67	
SMB1N-720, 720 nm , 170 mW at 600 mA, Uf <2.8 V, 130°, 5.0x5.2x1.0 mm	9,80	11,17	
SMB1N-720-02, 720 nm , 170 mW at 600 mA, Uf <2.8 V, 18°, 5.0x5.2x5.5 mm	12,00	13,67	
SMB1N-735, 735 nm , 200 mW at 600 mA, Uf <2.3 V, 130°, 5.0x5.2x1.0 mm	9,55	10,88	
SMB1N-735-02, 735 nm , 200 mW at 600 mA, Uf <2.3 V, 22°, 5.0x5.2x5.5 mm	11,75	13,39	
SMB1N-740D, 740 nm , 290 mW at 600 mA, Uf <2.4 V, 126°, 5.0x5.2x1.0 mm	9,55	10,88	
SMB1N-740D-02, 740 nm , 290 mW at 600 mA, Uf <2.4 V, 18°, 5.0x5.2x5.5 mm	11,75	13,39	
SMB1N-750, 750 nm , 290 mW at 800 mA, Uf <2.4 V, 126°, 5.0x5.2x1.0 mm	9,55	10,88	
SMB1N-750-02, 750 nm , 290 mW at 800 mA, Uf <2.4 V, 20°, 5.0x5.2x5.5 mm	11,75	13,39	
SMB1N-760D, 760 nm , 400 mW at 800 mA, Uf <2.5 V, 128°, 5.0x5.2x1.0 mm	9,55	10,88	
SMB1N-760D-02, 760 nm , 400 mW at 800 mA, Uf <2.5 V, 20°, 5.0x5.2x5.5 mm	11,75	13,39	





SMB1N-770, 770 nm , 290 mW at 800 mA, Uf <2.5 V, 130°, 5.0x5.2x1.0 mm	9,55	10,88
SMB1N-770-02, 770 nm , 290 mW at 800 mA, Uf <2.5 V, 20°, 5.0x5.2x5.5 mm	11,75	13,39
SMB1N-780D, 780 nm , 500 mW at 800 mA, Uf <2.6 V, 128°, 5.0x5.2x1.0 mm	9,55	10,88
SMB1N-780D-02, 780 nm , 500 mW at 800 mA, Uf <2.6 V, 18°, 5.0x5.2x5.5 mm	11,75	13,39
SMB1N-800D, 800 nm , 450 mW at 800 mA, Uf <2.6 V, 128°, 5.0x5.2x1.0 mm	12,40	14,13
SMB1N-800D-02, 800 nm , 450 mW at 800 mA, Uf <2.6 V, 18°, 5.0x5.2x5.5 mm	15,30	17,44
SMB1N-810D, 810 nm , 560 mW at 800 mA, Uf <2.5 V, 126°, 5.0x5.2x1.0 mm	10,65	12,14
SMB1N-810D-02, 810 nm , 560 mW at 800 mA, Uf <2.5 V, 20°, 5.0x5.2x5.5 mm	12,90	14,70
SMB1N-830N, 830 nm , 280 mW at 800 mA, Uf <2.2 V, 128°, 5.0x5.2x1.0 mm	8,90	10,14
SMB1N-830N-02, 830 nm , 340 mW at 800 mA, Uf <2.2 V, 18°, 5.0x5.2x5.5 mm	11,10	12,65
SMB1N-850D, 850 nm , 650 mW at 1 A, Uf <2.5 V, 124°, 5.0x5.2x1.0 mm	8,65	9,86
SMB1N-850D-02, 850 nm , 630 mW at 1 A, Uf <2.5V, 22°, 5.0x5.2x5.5 mm	10,90	12,42
SMB1N-850DS, 850 nm , 1.4 W at 1 A, Uf <4.2 V, 128°, 5.0x5.2x1.0 mm	13,65	15,55
SMB1N-850DS-02, 850 nm , 1.4 W at 1 A, Uf <4.2V, 20°, 5.0x5.2x5.5 mm	15,85	18,06
SMB2N-850D-I, 850 nm , 1.2 W at 1 A, Uf <4.8V, 122°, 2 chip dies, 5.0x5.2x1.0 mm	17,15	19,54
SMB3N-850D-I, 850 nm , 1.8 W at 1 A, Uf <7.2 V, 120°, 3 chip dies, 5.0x5.2x1.0 mm	24,40	27,81
SMB1N-870, 870 nm , 440 mW at 1 A, Uf <2.0 V, 130°, 5.0x5.2x1.0 mm	8,90	10,14
SMB1N-870-02, 870 nm , 440 mW at 1 A, Uf <2.5 V, 24°, 5.0x5.2x5.5 mm	13,15	14,99
SMB1N-880, 880 nm , 320 mW at 800 mA, Uf <2.2 V, 128°, 5.0x5.2x1.0 mm	8,90	10,14
SMB1N-880D, 880 nm , 610 mW at 800 mA, Uf <2.5 V, 130°, 5.0x5.2x1.0 mm	10,65	12,14
SMB1N-880D-02, 880 nm , 610 mW at 800 mA, Uf <2.5 V, 18°, 5.0x5.2x5.5 mm	12,90	14,70
SMB1N-890DS, 890 nm , 1.4 W at 1 A, Uf <4.0 V, 128°, 5.0x5.2x1.0 mm	13,65	15,55
SMB1N-890DS-02, 890 nm , 1.4 W at 1 A, Uf <4.0 V, 20°, 5.0x5.2x5.5 mm	15,85	18,06
SMB1N-910D, 910 nm , 850 mW at 1 A, Uf <2.5 V, 126°, 5.0x5.2x1.0 mm	8,65	9,86
SMB1N-910D-02, 910 nm , 850 mW at 1 mA, Uf <2.5 V, 20°, 5.0x5.2x5.5 mm	10,87	12,39
SMB1N-940-02, 940 nm , 120 mW at 500 mA, Uf <1.8 V, 24°, 5.0x5.2x1.0 mm	9,30	10,60
SMB1N-940D, 940 nm , 630 mW at 1 A, Uf <1.8 V, 124°, 5.0x5.2x1.0 mm	8,65	9,86
SMB1N-940D-02, 940 nm , 630 mW at 1 mA, Uf <1.8 V, 22°, 5.0x5.2x5.5 mm	10,90	12,42
SMB1N-940DS, 940 nm , 1.3 W at 1 A, Uf <3.8 V, 128°, 5.0x5.2x1.0 mm	13,65	15,55
SMB1N-940DS-02, 940 nm , 1.3 W at 1 A, Uf <3.8 V, 20°, 5.0x5.2x5.5 mm	15,85	18,06
SMB1N-970, 970 nm , 30 mW at 400 mA, Uf <1.7 V, 134°, 5.0x5.2x1.0 mm	6,10	6,95
SMB1N-970-02, 970 nm , 30 mW at 400 mA, Uf <1.7 V, 20°, 5.0x5.2x5.5 mm	10,10	11,51
SMB1N-980D, 980 nm , 400 mW at 800 mA, Uf <2.0 V, 122°, 5.0x5.2x1.0 mm	9,10	10,37
SMB1N-980D-02, 980 nm , 400 mW at 800 mA, Uf <2.0 V, 20°, 5.0x5.2x5.5 mm	11,35	12,93
SMB1N-1050, 1050 nm , 35 mW at 500 mA, Uf <1.65 V, 134°, 5.0x5.2x1.0 mm	50,85	57,95
SMB1N-1050-02, 1050 nm , 35 mW at 500 mA, Uf <1.65 V, 20°, 5.0x5.2x5.5 mm	53,25	60,68
SMB1N-1200, 1200 nm , 35 mW at 500 mA, Uf <1.4 V, 134°, 5.0x5.2x1.0 mm	50,85	57,95
SMB1N-1200-02, 1200 nm , 35 mW at 500 mA, Uf <1.4 V, 18°, 5.0x5.2x5.5 mm	53,25	60,68
SMB1N-1300L, 1300 nm , 25 mW at 500 mA, Uf <1.4 V, 134°, 5.0x5.2x1.0 mm	40,29	45,91
SMB1N-1300, 1300 nm , 40 mW at 500 mA, Uf <1.4 V, 138°, 5.0x5.2x1.0 mm	50,85	57,95
SMB1N-1300-02, 1300 nm , 40 mW at 500 mA, Uf <1.4 V, 20°, 5.0x5.2x5.5 mm	53,25	60,68
SMB1N-1450, 1450 nm , 22 mW at 500 mA, Uf <1.4 V, 134°, 5.0x5.2x1.0 mm	50,85	57,95
SMB1N-1450-02, 1450 nm , 22 mW at 500 mA, Uf <1.4 V, 20°, 5.0x5.2x5.5 mm	53,25	60,68
SMB1N-1550, 1550 nm , 18 mW at 500 mA, Uf <1.4 V, 138°, 5.0x5.2x1.0 mm	50,85	57,95
SMB1N-1550-02, 1550 nm , 18 mW at 500 mA, Uf <1.4 V, 20°, 5.0x5.2x5.5 mm	53,25	60,68
SMB1N-1650, 1650 nm , 16 mW at 500 mA, Uf <1.5 V, 136°, 5.0x5.2x1.0 mm	50,85	57,95
SMB1N-1650-02, 1650 nm , 16 mW at 500 mA, Uf <1.5 V, 20°, 5.0x5.2x5.5 mm	53,25	60,68
further wavelengths available on request		
HIGH POWER TOP SMD LED SMB1W series	EUR	USD
 <p>1 W high power LED series, power chip technology, chip size 1 x 1 mm², mounted on copper heat sink into a hermetic ceramic SMD package, with leads flat or with lens 395 nm - 940 nm available base size: 5.0 x 5.0 mm, silicone / epoxy mold</p>		
SMB1W-395R, 395 nm , 100 mW at 200 mA, Vf <4.5 V, 120°	19,44	22,15
SMB1W-470-04, 470 nm , 170 mW at 250 mA, Vf <3.8 V, 36°	14,14	16,11
SMB1W-490R, 490 nm , 160 mW at 250 mA, Vf <4.1 V, 126°	12,37	14,10
SMB1W-490-31, 490 nm , 180 mW at 250 mA, Vf <4.1 V, 14°	16,19	18,45
SMB1W-525R, 525 nm , 55 mW at 200 mA, Vf <3.8 V, 120°	12,37	14,10

SMB1W-670R, 675 nm , 200 mW at 600 mA, Vf < 2.0V, 124°	11,49	13,09
SMB1W-680R-I, 680 nm , 90 mW at 500 mA, Vf < 2.7 V, 124°, isolated	12,37	14,10
SMB1W-700-02, 700 nm , 90 mW at 500 mA, Vf < 2.7 V, 22°	9,19	10,47
SMB1W-700-04, 700 nm , 90 mW at 500 mA, Vf < 2.7 V, 48°	9,19	10,47
SMB1W-700-04-I, 700 nm , 90 mW at 500 mA, Vf < 2.7 V, 48°, isolated	14,14	16,11
SMB1W-750-02, 750 nm , 330 mW at 800 mA, Vf < 2.5 V, 22°	8,66	9,87
SMB1W-750-04, 750 nm , 330 mW at 800 mA, Vf < 2.5 V, 42°	12,55	14,30
SMB1W-760-I, 760 nm , 330 mW at 800 mA, Vf < 2.5 V, 124°, isolated	11,66	13,29
SMB1W-760-04-I, 760 nm , 330 mW at 800 mA, Vf < 2.5 V, 48°, isolated	13,43	15,30
SMB1W-770R, 770 nm , 330 mW at 800 mA, Vf < 2.5V, 124°	11,66	13,29
SMB1W-770-04, 770 nm , 330 mW at 800 mA, Vf < V, 42°	12,55	14,30
SMB1W-780-02, 780 nm , 330 mW at 800 mA, Vf < 2.5 V, 22°	12,90	14,70
SMB1W-780-04-I, 780 nm , 330 mW at 800 mA, Vf < 2.5 V, 48°, isolated	13,43	15,30
SMB1W-850, 850 nm , 430 mW at 1.0 A, Vf < 2.5 V, 132°	9,90	11,28
SMB1W-850D, 850 nm , 600 mW at 1.0 A, Vf < 2.9 V, 126°	9,90	11,28
SMB1W-850D-04, 850 nm , 630 mW at 1.0 A, Vf < 2.5 V, 38°	11,49	13,09
SMB1W-870, 870 nm , 430 mW at 1.0 A, Vf < 2.5 V, 132°	9,90	11,28
SMB1W-870-I, 870 nm , 230 mW at 600 mA, Vf < 2.1 V, 132°, isolated	10,78	12,28
SMB1W-880R-I, 880 nm , 320 mW at 800 mA, Vf < 2.2 V, 132°, isolated	12,37	14,10
SMB1W-880-04-I, 880 nm , 320 mW at 800 mA, Vf < 2.2 V, 42°, isolated	12,55	14,30
SMB1W-940-04-I, 940 nm , 110 mW at 500 mA, Vf < 1.65 V, 50°, isolated	8,48	9,66
HIGH POWER TOP SMD LED SMB MULTI CHIP series	EUR	USD
 <p>high power LED series, power chip technology multi chip LEDs, mounted on copper heat sink into a hermetic ceramic SMD package 395 nm - 1050 nm available, different lenses available</p> <p>base size: 5.0 x 5.0 mm², silicone / epoxy mold</p>		
SMB3W-420/525/640R-I, 420/525/640 nm , 115/60/110 mW at 300 mA, 124°, triple LED, iso.	44,53	50,74
ACCESSORIES FOR SMB series	EUR	USD
 <p>PCB boards to get your SMB LEDs mounted easily! Available for SMB1W and SMB1N series</p> <p>size: 17 x 23 mm</p>		
SMB1W-PCB, PCB for SMB1W series, 17 x 23 mm	5,76	6,56
SMB1N-PCB, PCB for SMB1N series, 17 x 23 mm	5,76	6,56
 <p>Taped Lens for SMB LEDs Clear Lens with holder, taped for easy mounting. Optical grade PMMA with high temperature resistance (105°C)</p> <p>size: Ø16.1 x 10.1 mm</p>		
SMB-LENS, 10 degree FWHM, PMMA, Ø16.1 x 10.1 mm	9,87	11,25
ENHANCED POWER LED SERIES HIGH POWER LED EP20 series ULTRA NARROW BEAM	EUR	USD
 <p>high power LED series, 1 power chip inside, If: 150 mA</p> <p>size: 15.6 x 11,2 mm² base, 10.0 x 14.10 mm dome</p> <p>► PHASE OUT</p>		
	1-9 pcs.	1-9 pcs.
EP2012-150A1, yellow, 590 nm , 35 cd at 150 mA, ±10°	6,16	7,02
EP204K-150B1, blue, 470 nm , 1.5 cd at 150 mA, ±50°	6,16	7,02
HIGH POWER LED JET series NARROW BEAM M12 x 1	EUR	USD

	<p>ultra narrow beam angle power LED series 5° and 10° viewing angle, 1 power chip, clear epoxy package, square beam, no dark beam center from bonding wire, fast switching (30/40ns) M12 x 1 thread package</p>		
		1-9 pcs.	1-9 pcs.
JET-635-05, 635 nm , 110 mW at 500 mA, 5° (2Θ1/2)		44,00	50,14
JET-635-10, 635 nm , 205 mW at 500 mA, 10° (2Θ1/2)		44,00	50,14
JET-660-05, 655 nm , 135 mW at 500 mA, 05° (2Θ1/2)		44,00	50,14
JET-660-12, 655 nm , 210 mW at 500 mA, 10° (2Θ1/2)		44,00	50,14
JET-685-05, 680 nm , 70 mW at 700 mA, 05° (2Θ1/2)		44,00	50,14
JET-685-10, 680 nm , 88 mW at 700 mA, 10° (2Θ1/2)		44,00	50,14
JET-730-05, 730 nm , 70 mW at 500 mA, 5° (2Θ1/2)		44,00	50,14
JET-730-10, 730 nm , 130 mW at 500 mA, 10° (2Θ1/2)		44,00	50,14
JET-800-10, 800 nm , 90 mW at 500 mA, 10° (2Θ1/2)		44,00	50,14
JET-870-05, 870 nm , 90 mW at 500 mA, 05° (2Θ1/2)		44,00	50,14
JET-870-10, 870 nm , 90 mW at 500 mA, 10° (2Θ1/2)		44,00	50,14
HIGH POWER LED ELJ series JUMBO PACKAGE M10 x 1.5 - 1 WATT		EUR	USD
	<p>narrow beam power LED series, 1 power chip, clear aspheric plastic lens, round beam M10 x 1.5 thread package, metal case available viewing angle: 10, 20, 40 and 85° further wavelengths available on request</p>		
		1-9 pcs.	1-9 pcs.
ELJ-375-697, 375 nm , 85 mW at 500 mA, 85°, MOQ: 20 pcs.		81,90	93,33
ELJ-385-697, 385 nm , 190 mW at 700 mA, 85°, MOQ: 20 pcs.		81,90	93,33
ELJ-405-697, 405 nm , 240 mW at 500 mA, 85°, MOQ: 20 pcs.		81,90	93,33
ELJ-465-627, 465 nm , 45 mW / 35 cd / 2.75 lm at 350 mA, 3.3 V, 15°		27,20	31,00
ELJ-525-627, 525 nm , 70 mW at 500 mA, 20°		32,55	37,09
ELJ-630-628, 630 nm , 95 mW at 1 A, 20°		32,55	37,09
ELJ-650-637, 650 nm , 75 mW / 220 mW/sr at 700 mA, <2.6 V, 26°		27,20	31,00
ELJ-660-618, 660 nm , 35 mW at 1 A, 10°, MOQ: 20 pcs.		32,55	37,09
ELJ-670-629, 670 nm , 80 mW at 1 A, 2.0 V, 15°		27,20	31,00
ELJ-730-626, 730 nm , 100 mW at 500 mA, 20°, MOQ: 20 pcs.		32,55	37,09
ELJ-750-629, 750 nm , 200 mW / 1.8 W/sr at 1 A, 2.0 V, tr/ff: 60 ns, 20°		27,20	31,00
ELJ-810-629, 810 nm , 110 mW / 980 mW/sr at 1 A, 2.0 V, tr,tf: 75 ns, 15°		27,20	31,00
ELJ-830-629, 830 nm , 90 mW at 1.2 A, 20°, MOQ: 20 pcs.		32,55	37,09
ELJ-830-649, 830 nm , 280 mW / 850 mW/sr at 1 A, <2.4 V, 35°		27,20	31,00
ELJ-850-629, 850 nm , 280 mW / 2.0 W/sr at 1 A, 2.0 V, tr/ff: 15/20 ns, 20°		27,20	31,00
ELJ-870-619, 870 nm , 220 mW / 2.5 W/sr at 1 A, <2.3 V, 13°		27,20	31,00
ELJ-870-629, 870 nm , 250 mW / 1.9 W/sr at 1 A, 2.0 V, tr/ff: 10/20 ns, 15°		27,20	31,00
ELJ-870-649, 870 nm , 240 mW / 615 mW/sr at 1A, <2.3 V, 35°		27,20	31,00
ELJ-940-629, 940 nm , 50 mW at 1.8 A, 20°, MOQ: 20 pcs.		32,55	37,09
ELJ-940-649, 940 nm , 215 mW / 670 mW/sr at 1.5 A, <2.4 V, 30°		27,20	31,00
ELJ-1300-629, 1300 nm , 14 mW at 350 mA, 20°, MOQ: 20 pcs.		90,30	102,90
ELJ-1550-629, 1550 nm , 14 mW at 1 A, 20°, MOQ: 20 pcs.		90,30	102,90
HIGH POWER LED APG2C1 series EMITTER PACKAGE - 1 WATT		EUR	USD
	<p>high power LED emitter typ. 1 Watt electrical power base diameter 7.4 mm, height 6.87 mm package color: black or white silicone lens ► PHASE OUT</p>		
		1-9 pcs.	1-9 pcs.
APG2C1-375, UV, 375 nm , 55 mW at 350 mA, Uf 3.7 V, ±75°, silicone lens		18,00	20,51
APG2C1-375-E, UV, 375 nm , 200 mW at 350 mA, Uf 3.7 V, ±75°, silicone lens		21,00	23,93
APG2C1-385, UV, 385 nm , 60 mW at 350 mA, Uf 3.7 V, ±75°, silicone lens		16,70	19,03
APG2C1-385-r2, UV, 385 nm , 320 mW at 350 mA, Uf 3.6 V, ±75°, silicone lens		17,90	20,40
APG2C1-395, UV, 395 nm , 55 mW at 350 mA, Uf 3.7 V, ±75°, silicone lens		16,00	18,23
APG2C1-405, violet, 405 nm , 105 mW at 350 mA, Uf 3.7 V, ±75°, silicone lens		14,50	16,52







APG2C1-410, violet, 410 nm , 125 mW at 350 mA, Uf 3.7 V, $\pm 75^\circ$, silicone lens	7,93	9,04
APG2C1-410-r2, violet, 410 nm , 400 mW at 350 mA, Uf <3.9 V, $\pm 75^\circ$, silicone lens	13,00	14,81
APG2C1-420, violet, 420 nm , 130 mW at 350 mA, Uf 3.7 V, $\pm 75^\circ$, silicone lens	7,93	9,04
APG2C1-435, violet, 435 nm , 380 mW at 350 mA, Uf 3.5 V, $\pm 75^\circ$	7,93	9,04
APG2C1-450, royal blue, 450 nm , 430 mW at 350 mA, Uf 3.1 V, $\pm 75^\circ$	7,93	9,04
APG2C1-470, blue, 470 nm , 200 mW at 350 mA, Uf 3.3 V, $\pm 75^\circ$	7,93	9,04
APG2C1-480, blue, 480 nm , 16-18cd at 350 mA, Uf 3.3 V, $\pm 75^\circ$	7,93	9,04
APG2C1-490, cyan, 490 nm , 130 mW at 350 mA, Uf 3.3 V, $\pm 75^\circ$	7,93	9,04
APG2C1-505, cyan, 505 nm , 130 mW at 350 mA, Uf = 3.5 V, $\pm 75^\circ$	7,93	9,04
APG2C1-515, green, 515 nm , 150 mW at 350 mA, Uf = 3.3 V, $\pm 75^\circ$	7,93	9,04
APG2C1-650, red, 650 nm , 60 mW at 350 mA, Uf = 2.1 V, $\pm 75^\circ$	7,93	9,04
APG2C1-660, red, 660 nm , 60 mW at 350 mA, Uf = 2.1 V, $\pm 75^\circ$	7,93	9,04
APG2C1-670, red, 670 nm , 60 mW at 350 mA, Uf = 2.0 V, $\pm 75^\circ$	7,93	9,04
APG2C1-680, red, 680 nm , 60 mW at 350 mA, Uf = 2.0 V, $\pm 75^\circ$	7,93	9,04
APG2C1-690, red, 690 nm , 60 mW at 350 mA, Uf = 1.7 V, $\pm 75^\circ$	7,93	9,04
APG2C1-760, IR, 760 nm , 70 mW at 350 mA, Uf = 1.9 V, $\pm 75^\circ$	7,93	9,04
APG2C1-780, IR, 780 nm , 70 mW at 350 mA, Uf 1.7 V, $\pm 75^\circ$	7,93	9,04
APG2C1-810, IR, 810 nm , 90 mW at 350 mA, Uf 1.8 V, $\pm 75^\circ$	7,93	9,04
APG2C1-830, IR, 830 nm , 70 mW at 350 mA, Uf = 1.5 V, $\pm 75^\circ$	7,93	9,04
APG2C1-850, IR, 850 nm , 90 mW at 350 mA, Uf 1.5 V, $\pm 75^\circ$	7,93	9,04
APG2C1-880, IR, 880 nm , 90 mW at 350 mA, Uf 1.5 V, $\pm 75^\circ$	7,93	9,04
APG2C1-905, IR, 905 nm , 70 mW at 350 mA, Uf 1.3 V, $\pm 75^\circ$	7,93	9,04
APG2C1-920, IR, 920 nm , 80 mW at 350 mA, Uf = 1.3 V, $\pm 75^\circ$	7,93	9,04
APG2C1-940, IR, 940 nm , 50 mW at 350 mA, Uf 1.3 V, $\pm 75^\circ$	7,93	9,04
APG2C1-970, IR, 970 nm , 40 mW at 350 mA, Uf = 1.4 V, $\pm 75^\circ$	7,93	9,04
APG2C1-1020, IR, 1020 nm , 40 mW at 350 mA, Uf = 1.4 V, $\pm 75^\circ$	28,30	32,25
APG2C1-1030, IR, 1030 nm , 60 mW at 350 mA, Uf = 1.4 V, $\pm 75^\circ$	28,30	32,25
APG2C1-1050, IR, 1050 nm , 50 mW at 350 mA, Uf = 1.4 V, $\pm 75^\circ$	28,30	32,25
HIGH POWER LED HP803 series EMITTER PACKAGE - 3 WATT	EUR	USD
 <p>high power LED emitter, 3 Watt electrical power, highest flux, very long operating life (>>50000 hr) higher energy efficiency than incandescent and most halogen lamps low voltage DC operation instant light on/off (less than 100 ns) superior ESD protection base diameter 7.4 mm, height 6.87 mm</p> <p>► PHASE OUT</p>	1-9 pcs.	1-9 pcs.
HP803NW, white, typ. 6000 K, 130-160 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,69
HP803PG, pure green, 530 nm , 80-110 lm at 700 mA, Ub 3.8 V, 120°	6,75	7,69
HP803NR, red, 625 nm , 50-70 lm at 700 mA, Ub 3.0 V, 120°	5,85	6,67
HIGH POWER LED APG2C3 series EMITTER PACKAGE - 3 WATT	EUR	USD
 <p>high power LED emitter 3 Watt electrical power</p> <p>base diameter 7.4 mm, height 6.87 mm package color: black or white</p> <p>► PHASE OUT</p>	1-9 pcs.	1-9 pcs.
APG2C3-NW, white, typ. 6000 K, 150-170 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,69
APG2C3-WW, warm white, typ. 3300 K, 140-160 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,69
APG2C3-460, 470 nm , 20-30 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,69
APG2C3-470, 470 nm , 20-40 lm at 700 mA, Ub 3.6 V, 120°	6,75	7,69
APG2C3-530, 530 nm , 90-120 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,69
HIGH POWER LED APG2C5 series EMITTER PACKAGE - 5 WATT	EUR	USD
 <p>high power LED emitter 5 Watt electrical power, chip size 2 x 2 mm²</p> <p>base diameter 7.4 mm, height 6.87 mm package color: black or white</p> <p>► PHASE OUT</p>	1-9 pcs.	1-9 pcs.
APG2C5-670, red, 670 nm , typ. 250-300 mW at 2 A, $\pm 75^\circ$, lambertian epoxy lens	26,00	29,63

APG2C5-680, red, 680 nm , typ. 550 mW at 2 A, +/-75°, lambertian epoxy lens	26,00	29,63
ACCESSORIES FOR EMITTER series	EUR	USD
 <p>PCB boards to get your EMITTER package LEDs mounted easily! Aluminium base, HTCD thermally conductive dielectric, copper circuit foil: 35 µm, white solder mask surface finish, Pb-free, RoHS compliant</p>		
PCB-STAR, PCB Heat Sink for High Power Emitter LEDs, white, hexagonal, 19.9x19.9x1.5 mm	1,20	1,37
HIGH POWER LED H2A1 series HEXAGONAL PACKAGE - 1 WATT	EUR	USD
 <p>1 W high power LED series, diverse wavelengths, power chip technology, chip size 1 x 1 mm², lambertian high dome lens diameter: 20 mm, mechanical compatible with many collimating lenses</p> <p>► PHASE OUT</p>	1-9 pcs.	1-9 pcs.
H2A1-H375-E, UV, 375 nm , 200 mW at 350 mA, U _f = 3.7 V, +/-75°, silicone lens	21,50	24,50
H2A1-H385-r2, UV, 385 nm , 320 mW at 350 mA, U _f = 3.6 V, +/-75°, silicone lens	18,40	20,97
H2A1-H395, UV, 395 nm , 55 mW at 350 mA, U _f = 3.7 V, +/-75°, silicone lens	16,50	18,80
H2A1-H405, violet, 405 nm , 105 mW at 350 mA, U _f = 3.7 V, +/-75°, silicone lens	15,00	17,09
H2A1-H410-r2, violet, 410 nm , 400 mW at 350 mA, U _f <3.9 V, +/-75°, silicone lens	13,50	15,38
H2A1-H420, violet, 420 nm , 130 mW at 350 mA, U _f = 3.7 V, +/-75°, silicone lens	8,79	10,02
H2A1-H435, violet, 435 nm , 380 mW at 350 mA, U _f = 3.5 V, +/-75°	8,79	10,02
H2A1-H450, royal blue, 450 nm , 430 mW at 350 mA, U _f = 3.1 V, +/-75°	8,79	10,02
H2A1-H470, blue, 470 nm , 200 mW at 350 mA, U _f = 3.3 V, +/-75°	8,79	10,02
H2A1-H480, blue, 480 nm , 16-18 cd at 350 mA, U _f = 3.3 V, +/-75°	8,79	10,02
H2A1-H490, cyan, 490 nm , 130 mW at 350 mA, U _f = 3.3 V, +/-75°	8,79	10,02
H2A1-H505, cyan, 505 nm , 130 mW at 350 mA, U _f = 3.5 V, +/-75°	8,79	10,02
H2A1-H515, green, 515 nm , 150 mW at 350 mA, U _f = 3.3 V, +/-75°	8,79	10,02
H2A1-H650, red, 650 nm , 40 mW at 350 mA, U _f = 2.0 V, +/-75°	8,79	10,02
H2A1-H660, red, 660 nm , 60 mW at 350 mA, U _f = 2.1 V, +/-75°	8,79	10,02
H2A1-H680, red, 680 nm , 60 mW at 350 mA, U _f = 2.0 V, +/-75°	8,79	10,02
H2A1-H690, red, 690 nm , 60 mW at 350 mA, U _f = 1.7 V, +/-75°	8,79	10,02
H2A1-H720, IR, 720 nm , 70 mW at 350 mA, U _f = 2.0 V, +/-75°	8,79	10,02
H2A1-H760, IR, 760 nm , 80 mW at 350 mA, U _f = 1.9 V, +/-75°	8,79	10,02
H2A1-H780, IR, 780 nm , 70 mW at 350 mA, U _f = 1.7 V, +/-75°	8,79	10,02
H2A1-H810, IR, 810 nm , 90 mW at 350 mA, U _f = 1.8 V, +/-75°	8,79	10,02
H2A1-H830, IR, 830 nm , 70 mW at 350 mA, U _f = 1.5 V, +/-75°	8,79	10,02
H2A1-H850, IR, 850 nm , 90 mW at 350 mA, U _f = 1.5 V, +/-75°	8,79	10,02
H2A1-H880, IR, 880 nm , 90 mW at 350 mA, U _f = 1.5 V, +/-75°	8,79	10,02
H2A1-H905, IR, 905 nm , 70 mW at 350 mA, U _f = 1.3 V, +/-75°	8,79	10,02
H2A1-H920, IR, 920 nm , 80 mW at 350 mA, U _f = 1.3 V, +/-75°	8,79	10,02
H2A1-H970, IR, 970 nm , 40 mW at 350 mA, U _f = 1.4 V, +/-75°	8,79	10,02
H2A1-H1020, IR, 1020 nm , 40 mW at 350 mA, U _f = 1.4 V, +/-75°	28,80	32,82
H2A1-H1030, IR, 1030 nm , 65 mW at 350 mA, U _f = 1.4 V, +/-75°	28,80	32,82
HIGH POWER LED LUXEON STAR HEXAGONAL PACKAGE - 1 WATT	EUR	USD
 <p>high power LED, diverse wavelengths, power chip technology, world's brightest LEDs lambertian, high dome diameter: 20 mm</p> <p>► PHASE OUT</p>	1-9 pcs.	1-9 pcs.
LXHL-MB1D, blue, 470 nm , 10 lm at 350 mA, +/-60°	12,00	13,67
LXHL-ME1D, cyan, 505 nm , 30 lm at 350 mA, +/-60°	12,00	13,67
LXHL-MH1D, orange, 617 nm , 55 lm at 350 mA, +/-60°	12,00	13,67
HIGH POWER LED H2A3 series HEXAGONAL PACKAGE - 3 WATT	EUR	USD




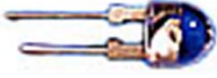

	<p>high power LED emitter 3 Watt electrical power</p> <p>base diameter 19.8 mm, height 8.42 mm</p> <p>► PHASE OUT</p>		
		1-9 pcs.	1-9 pcs.
H2A3-NW, white , typ. 6000 K, 150-170 lm at 700 mA, Ub 4.0 V, 120°		7,20	8,20
H2A3-WW, warm white , typ. 3300 K, 140-160 lm at 700 mA, Ub 4.0 V, 120°		7,20	8,20
H2A3-H460, 460 nm , 20-30 lm at 700 mA, Ub 3.6 V, 120°		7,20	8,20
H2A3-H470, 470 nm , 20-40 lm at 700 mA, Ub 4.0 V, 120°		7,20	8,20
H2A3-H530, 530 nm , 90-120 lm at 700 mA, Ub 4.0 V, 120°		6,75	7,69
H2A3-H590, 590 nm , 60-80 lm at 700 mA, Ub 2.8 V, 120°		6,35	7,24
HIGH POWER LED LUXEON III STAR HEXAGONAL PACKAGE - 3 WATT		EUR	USD
	<p>high power LED, diverse wavelengths, power chip technology, world's brightest LEDs lambertian, high dome diameter: 20 mm</p> <p>► PHASE OUT</p>		
		1-9 pcs.	1-9 pcs.
LXHL-LE3C, cyan, 505 nm , 80 lm at 1 A, +/-60° ► ATTENTION: typ. 530 nm		18,00	20,51
HIGH POWER LED H2W5 series HEXAGONAL PACKAGE - 5 WATT		EUR	USD
	<p>5 W high power LED series, diverse wavelengths, power chip technology, world's brightest single chip emitter LED, chip size 2 x 2 mm², lambertian high dome lens diameter: 20 mm, mechanical compatible with many collimating lenses</p> <p>► PHASE OUT</p>		
		1-9 pcs.	1-9 pcs.
H2W5-850, 850 nm , 550 mW at 2 A, Uf = typ. 2.0 V, +/-75°, lambertian high dome lens		35,00	39,88
H2W5-870, 870 nm , 550 mW at 2 A, Uf = typ. 2.0 V, +/-75°, lambertian high dome lens		30,00	34,19
HIGH POWER LED LUXEON FLASH SMD PACKAGE - 1 WATT		EUR	USD
LXCL-PWF1, white , typ. 53 lm at 1 A pulse, +/-60° ► PHASE OUT		5,96	6,79
HIGH POWER LED H11 series HEXAGONAL PACKAGE - 1 WATT		EUR	USD
	<p>high power LED, 20 mm diameter aluminium disk package, 1x1 mm² LED chip size. 1 Watt electrical power available viewing angles: 30°, 60° or 120°</p> <p>► PHASE OUT</p>		
		1-9 pcs.	1-9 pcs.
H11A1-HR-30, red, 625 nm , 10 cd, 20-25 mW at 350 mA, viewing angle 30°		3,23	3,68
H11A1-660-30, red, 660 nm , 20-25 mW at 350 mA, viewing angle 30°		5,70	6,50
H11A1-670-30, red, 670 nm , 20-25 mW at 350 mA, viewing angle 30°		5,70	6,50
H11A1-680-30, red, 680 nm , 20-25 mW at 350 mA, viewing angle 30°		5,70	6,50
H11A1-690-60, red, 690 nm , 25-30 mW at 350 mA, viewing angle 60°		5,70	6,50
H11A1-740-30, IR, 740 nm , 28-35 mW at 350 mA, viewing angle 30°		5,70	6,50
H11A1-770-30, IR, 770 nm , 28-35 mW at 350 mA, viewing angle 30°		5,70	6,50
H11A1-780-30, IR, 780 nm , 110 mW at 500 mA, viewing angle 30°		5,70	6,50
H11A1-850-30, IR, 850 nm , 350 mA, viewing angle 30°		5,70	6,50
H11A1-880-30, IR, 880 nm , 30-40 mW at 350 mA, viewing angle 30°		5,70	6,50
H11A1-905-30, IR, 905 nm , 25-30 mW at 350 mA, viewing angle 30°		5,70	6,50
H11A1-920-30, IR, 920 nm , 350 mA, viewing angle 30°		5,70	6,50
H11A1-940-30, IR, 940 nm , 25-30 mW at 350 mA, viewing angle 30°		5,70	6,50
H11A1-940-120, IR, 940 nm , 25-30 mW at 350 mA, viewing angle 120°		5,70	6,50
H11A1-970-30, IR, 970 nm , 350 mA, viewing angle 30°		5,70	6,50
HIGH POWER LED 11 mm ALUMINIUM DISK PACKAGE - 1 WATT		EUR	USD


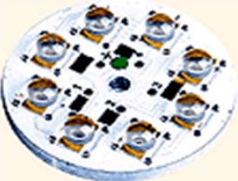

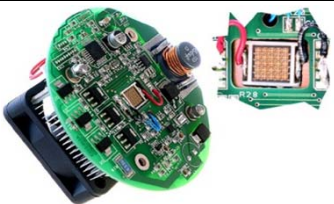

	<p>high power LED, 11 mm diameter aluminium disk package, 1x1 mm² LED chip size. 1 Watt electrical power available viewing angles: 30°, 60° or 120°</p>	1-9 pcs.	1-9 pcs.
<p>► PHASE OUT</p>			
C11A1-HU-30, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 30°		5,55	6,32
C11A1-HU-60, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 60°		5,55	6,32
C11A1-HU-120, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 120°		5,55	6,32
C11A1-HW-30, white , 20 cd, 350 mA, viewing angle 30°		4,98	5,68
C11A1-HW-60, white , 20 cd, 350 mA, viewing angle 60°		4,98	5,68
C11A1-HW-120, white , 20 cd, 350 mA, viewing angle 120°		4,98	5,68
C11A1-HW-120-S, soft white , 20 cd, 350 mA, viewing angle 120°		4,98	5,68
C11A1-HB-30, blue, 470 nm , 14 cd, 17-20 mW at 350 mA, viewing angle 30°		4,79	5,46
C11A1-HB-120, blue, 470 nm , 14 cd, 17-20 mW at 350 mA, viewing angle 120°		4,79	5,46
C11A1-HC-30, cyan, 505 nm , 20 cd, 15-18 mW at 350 mA, viewing angle 30°		5,55	6,32
C11A1-HC-120, cyan, 505 nm , 20 cd, 15-18 mW at 350 mA, viewing angle 120°		5,55	6,32
C11A1-HG-30, green, 525 nm , 25 cd, 13-17 mW at 350 mA, viewing angle 30°		5,26	6,00
C11A1-HY-120, yellow, 590 nm , 10 cd, 8-10 mW at 350 mA, viewing angle 120°		2,73	3,11
C11A1-HR-120, red, 625 nm , 10 cd, 20-25 mW at 350 mA, viewing angle 120°		2,73	3,11
C11A1-660-30, red, 660 nm , 20-25 mW at 350 mA, viewing angle 30°		5,17	5,89
C11A1-670-30, red, 670 nm , 20-25 mW at 350 mA, viewing angle 30°		5,17	5,89
C11A1-670-120, red, 670 nm , 20-25 mW at 350 mA, viewing angle 120°		5,17	5,89
C11A1-680-30, red, 680 nm , 20-25 mW at 350 mA, viewing angle 30°		5,17	5,89
C11A1-680-120, red, 680 nm , 20-25 mW at 350 mA, viewing angle 120°		5,17	5,89
C11A1-690-30, red, 690 nm , 25-30 mW at 350 mA, viewing angle 30°		5,17	5,89
C11A1-690-120, red, 690 nm , 25-30 mW at 350 mA, viewing angle 120°		5,17	5,89
C11A1-720-60, IR, 720 nm , 28-35 mW at 350 mA, viewing angle 60°		5,17	5,89
C11A1-720-120, IR, 720 nm , 28-35 mW at 350 mA, viewing angle 120°		5,17	5,89
C11A1-760-30, IR, 760 nm , 28-35 mW at 350 mA, viewing angle 30°		5,17	5,89
C11A1-770-30, IR, 770 nm , 28-35 mW at 350 mA, viewing angle 30°		5,17	5,89
C11A1-780-30, IR, 780 nm , 110 mW at 500 mA, viewing angle 30°		5,17	5,89
C11A1-820-30, IR, 820 nm , 38-46 mW at 350 mA, viewing angle 30°		5,17	5,89
C11A1-850-30, IR, 850 nm , 350 mA, viewing angle 30°		5,17	5,89
C11A1-880-30, IR, 880 nm , 30-40 mW at 350 mA, viewing angle 30°		5,17	5,89
C11A1-905-30, IR, 905 nm , 25-30 mW at 350 mA, viewing angle 30°		5,17	5,89
C11A1-920-30, IR, 920 nm , 25-30 mW at 350 mA, viewing angle 30°		5,17	5,89
C11A1-940-30, IR, 940 nm , 25-30 mW at 350 mA, viewing angle 30°		5,17	5,89
HIGH POWER LED M3 THREAD ALUMINIUM DISK PACKAGE - 1 WATT		EUR	USD
	<p>high power LED with M3 thread aluminium disk package, diameter 11 mm, thread length 6 mm 1x1 mm² chip 1 Watt electrical power</p>	1-9 pcs.	1-9 pcs.
<p>► PHASE OUT</p>			
M3L1-HW-60, white , 16 cd, 350 mA, viewing angle 60°		6,20	7,06
M3L1-HW-120, white , 15 cd, 350 mA, viewing angle 120°		6,20	7,06
M3L1-HU-30, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 30°		6,73	7,67
M3L1-HU-60, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 60°		6,73	7,67
M3L1-HU-120, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 120°		6,73	7,67
M3L1-HB-30, blue, 470 nm , 14 cd, 17-20 mW at 350 mA, viewing angle 30°		6,02	6,86
M3L1-HB-120, blue, 470 nm , 10 cd, 17-20 mW at 350 mA, viewing angle 120°		6,02	6,86
M3L1-HC-120, cyan, 505 nm , 17 cd, 15-18 mW at 350 mA, viewing angle 120°		6,73	7,67
M3L1-HG-30, green, 525 nm , 25 cd, 13-17 mW at 350 mA, viewing angle 30°		6,46	7,36
M3L1-HG-60, green, 525 nm , 22 cd, 13-17 mW at 350 mA, viewing angle 60°		6,46	7,36
M3L1-HG-120, green, 525 nm , 20 cd, 13-17 mW at 350 mA, viewing angle 120°		6,46	7,36
M3L1-HY-30, yellow, 590 nm , 10 cd, 8-10 mW at 350 mA, viewing angle 30°		3,90	4,44
M3L1-HY-60, yellow, 590 nm , 8 cd, 8-10 mW at 350 mA, viewing angle 60°		3,90	4,44
M3L1-HY-120, yellow, 590 nm , 7 cd, 8-10 mW at 350 mA, viewing angle 120°		3,90	4,44
M3L1-HR-30, red, 625 nm , 10 cd, 20-25 mW at 350 mA, viewing angle 30°		3,90	4,44





M3L1-HR-120, red, 625 nm , 7 cd, 20-25 mW at 350 mA, viewing angle 120°	3,90	4,44
M3L1-670-30, red, 670 nm , 20-25 mW at 350 mA, viewing angle 30°	6,37	7,26
M3L1-680-30, red, 680 nm , 20-25 mW at 350 mA, viewing angle 30°	6,37	7,26
M3L1-740-60, IR, 740 nm , 28-35 mW at 350 mA, viewing angle 60°	6,37	7,26
M3L1-740-120, IR, 740 nm , 28-35 mW at 350 mA, viewing angle 120°	6,37	7,26
M3L1-760-30, IR, 760 nm , 28-35 mW at 350 mA, viewing angle 30°	6,37	7,26
M3L1-770-30, IR, 770 nm , 28-35 mW at 350 mA, viewing angle 30°	6,37	7,26
M3L1-830-30, IR, 830 nm , 110 mW at 500 mA, viewing angle 30°	6,37	7,26
M3L1-880-30, IR, 880 nm , 30-40 mW at 350 mA, viewing angle 30°	6,37	7,26
M3L1-905-30, IR, 905 nm , 25-30 mW at 350 mA, viewing angle 30°	6,37	7,26
M3L1-920-30, IR, 920 nm , 25-30 mW at 350 mA, viewing angle 30°	6,37	7,26
M3L1-940-30, IR, 940 nm , 25-30 mW at 350 mA, viewing angle 30°	6,37	7,26
M3L1-940-120, IR, 940 nm , 25-30 mW at 350 mA, viewing angle 120°	6,37	7,26
M3L1-970-30, IR, 970 nm , 350 mA, viewing angle 30°	6,37	7,26
HIGH POWER LED 20 mm ALUMINIUM DISK PACKAGE - 1 WATT	EUR	USD
 high power LED aluminium disk package, diameter 20 mm, diverse wavelengths, power chip technology ► PHASE OUT	1-9 pcs.	1-9 pcs.
RLT-WNP1000-02, white, x=.28,y=.28, 20 lm, 350 mA, 60° full angle	6,62	7,54
RLT-BNP1000-02, blue, 470 nm , 11 lm, 350 mA, 60° full angle	5,67	6,46
RLT-GNP1000-02, green, 525 nm , 20 lm, 350 mA, 60° full angle	6,14	7,00
HIGH POWER LED 20 mm ALUMINIUM DISK PACKAGE - 350 mW	EUR	USD
RLT-WNP600-02, white, x=.28,y=.28, 5 lm, 100 mA, 60° full angle	2,84	3,23
RLT-BNP600-02, blue, 470 nm , 3 lm, 100 mA, 60° full angle	2,27	2,58
RLT-YUP600-02, yellow, 587 nm , 4 lm, 100 mA, 60° full angle	1,51	1,72
HIGH POWER LED 20 mm ALUMINIUM DISK PACKAGE - 1 WATT	EUR	USD
 high power LED, aluminium disk package, diameter 20 mm, 1x1 mm ² chip size. 1 Watt electrical power ► PHASE OUT	1-9 pcs.	1-9 pcs.
C20A1-HU-30, UV, 395-405 nm , 15-20 mW at 350 mA, Vf <4.0 V, 30°	5,86	6,68
C20A1-HC-30, cyan, 505 nm , 20 cd, 15-18 mW at 350 mA, Vf <4.0 V, 30°	5,86	6,68
C20A1-HR-60, red, 625 nm , 7.0-8.5 cd, 20-25 mW at 350 mA, Vf <2.8 V, 60°	3,12	3,55
C20A1-HR-120, red, 625 nm , 7.0-8.5 cd, 20-25 mW at 350 mA, Vf <2.8 V, 120°	3,12	3,55
C20A1-H650-30, red, 650 nm , 70 mW at 350 mA, Vf <2.2 V, 30°	5,48	6,25
C20A1-H660-30, red, 660 nm , 20-25 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,25
C20A1-H670-30, red, 670 nm , 90 mW at 350 mA, Vf <2.0 V, 30°	5,48	6,25
C20A1-H680-30, red, 680 nm , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,25
C20A1-H690-30, red, 690 nm , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,25
C20A1-H720-30, IR, 720 nm , 28-35 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,25
C20A1-H740-30, IR, 740 nm , 28-35 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,25
C20A1-H740-60, IR, 740 nm , 28-35 mW at 350 mA, Vf <2.5 V, 60°	5,48	6,25
C20A1-H770-30, IR, 770 nm , 28-35 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,25
C20A1-H810-30, IR, 810 nm , 38-46 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,25
C20A1-H820-30, IR, 820 nm , 38-46 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,25
C20A1-H850-30, IR, 850 nm , 350 mA, Vf <3.0 V, 30°	5,48	6,25
C20A1-H870-30, IR, 870 nm , 350 mA, Vf <3.0 V, 30°	11,15	12,71
C20A1-H880-30, IR, 880 nm , 30-40 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,25
C20A1-H905-30, IR, 905 nm , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,25
C20A1-H940-30, IR, 940 nm , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,25
HIGH POWER RECTANGULAR LED 3 WATT	EUR	USD





	high power LED emitter, 3 Watt electrical power, highest flux, very long operating life (>>50000 hr) higher energy efficiency than incandescent and most halogen lamps low voltage DC operation instant light on/off (less than 100 ns) superior ESD protection, size: 25 x 25 mm ² , height 8.32 mm, optional with 15 degree collimator lens		
		1-9 pcs.	1-9 pcs.
	R-HP803NW, white , typ. 6000 K, 55 lm at 700 mA, Ub 4.0 V, 120°	7,20	8,20
	R-HP803WW, warm white , typ. 3300 K, 45 lm at 700 mA, Ub 4.0 V, 120°	7,20	8,20
	R-HP803NO, amber , 590 nm , 36 lm at 700 mA, Ub 3.0 V, 120°	6,35	7,24
HIGH POWER RGB LED 20 mm ALUMINIUM DISK PACKAGE - 3 x 1 WATT		EUR	USD
	high power RGB LED, aluminium disk package, diameter 20 mm, diverse wavelengths, power chip technology 1x1 mm ² chip size. 3 x 1 Watt electrical power, other wavelengths on request		
		1-9 pcs.	1-9 pcs.
	C20C3-HYGB-60, 585 / 515 / 460 nm , 8 / 9 / 3 lm, 3 x 350 mA, viewing angle 60°	5,64	6,43
	C20C3-HYRB-60, 585 / 620 / 460 nm , 8 / 6 / 3 lm, 3 x 350 mA, viewing angle 60°	5,08	5,78
HIGH POWER RGB LED EMITTER PACKAGE - 3 POWER LED CHIPS		EUR	USD
	high power RGB LED series, emitter type package 6 pins, 3 x anode, 3 x cathode viewing angle typ. 80°, 3 power ranks: 1.5 W -> 3 LED chips each 500 mW 3.0 W -> 3 LED chips each 1 W 9.0 W -> 3 LED chips each 3 W		
		1-9 pcs.	1-9 pcs.
	A6-RGB-1.5, 620/515/460nm , 5/12/4lm, 3x150mA, 1.5 W, +/- 40° 3x anode 3x cathode	4,20	4,79
	A6-RGB-3, 620/515/460nm , 23/45/12lm, 3x350mA, 3.0 W, +/- 40° 3x anode 3x cathode	6,50	7,41
HIGH POWER RGB LED HEXAGONAL PACKAGE - 3 POWER LED CHIPS		EUR	USD
	high power RGB LED series, hex type package 6 pins, 3 x anode, 3 x cathode viewing angle typ. 80°, 3 power ranks: 1.5 W -> 3 LED chips each 500 mW 3.0 W -> 3 LED chips each 1 W 9.0 W -> 3 LED chips each 3 W		
		1-9 pcs.	1-9 pcs.
	H6-RGB-1.5, 620/515/460nm , 5/12/4lm, 3x150mA, 1.5 W, +/- 40° 3x anode 3x cathode	4,70	5,36
HIGH POWER RGB LED EMITTER PACKAGE - 3 POWER LED CHIPS		EUR	USD
	high power RGB LED, emitter package		
		1-9 pcs.	1-9 pcs.
	AR58G05B24BC-A, 620/515/460 nm , 15/15.4/6lm, 3x350mA, 3 W, +/-40° common anode	11,70	13,33
	AR58G05B24BC-C, 620/515/460nm , 15/15.4/6lm, 3x350mA, 3W, +/- 40° common cath.	11,70	13,33
	AR57G62B66BC-C, 620/515/460 nm , 4.5/10/3 lm, 3 x 150 mA, 1.5 W, +/- 40°	7,18	8,18
HIGH POWER RGB LED HEXAGONAL PACKAGE - 3 POWER LED CHIPS		EUR	USD
	high power RGB LED, hexagonal aluminium PCB package		
		1-9 pcs.	1-9 pcs.
	H4-AR58G05B24BC-C, 620/515/460nm , 15/15.4/6 lm, 3x350mA, 3 W, +/- 40°, common -	12,20	13,90
	H4-AR58G05B24BC-A, 620/515/460nm , 15/15.4/6 lm, 3x350mA, 3 W, +/- 40°, common +	12,20	13,90
	H4-AR57G62B66BC-C, 620/515/460nm , 4.5/10/3 lm, 3x150mA, 1.5 W, +/- 40°, common -	7,72	8,80
HIGH POWER LEDS - OPTICS			

	diverse optics for high power LEDs material: polycarbonate designed for Luxeon		
		1-49 pcs.	1-49 pcs.
10048 , 4 degree half angle optic		4,12	4,69
10049 , 4 x 25 degree half angles optic		4,12	4,69
10003 , 6 degree half angle optic		3,14	3,58
10003/15 , 15 degree half angle optic		3,14	3,58
10003/25 , 25 degree half angle optic		3,14	3,58
10003/L25 , 6 x 25 degree half angles line optic		3,14	3,58
NARROW BEAM OPTIC FOR HIGH POWER LEDs (SINGLE EMITTER)		EUR	USD
	CATADIOPTIC collimating lens for LEDs - +/- 2° ultra narrow beam - ideal for far distance and spot illumination. - suitable for: Cree, Seoul, Avago, Luxeon - material: polycarbonate - efficiency ~70%		
		1-9 pcs.	1-9 pcs.
10158 , 2 degree half angle spot optic, diameter 60 mm, height 11mm, polycarbonate		17,93	20,43
10145 , spreader lens for 10158 optic		1,22	1,39
10146 , holder for 10158 optic		1,62	1,85
LENS HOLDERS SERIES 100xx FOR HIGH POWER LEDs		EUR	USD
	diverse lens holders for 1, 3 and 5 watt power LEDs		
		1-49 pcs.	1-49 pcs.
10012 , LED optic holder, round, black, for 1 watt LED		0,68	0,78
10026 , LED optic holder, hexagonal, black, for 1 watt LED		0,68	0,78
10043 , LED optic holder, hexagonal, black, for 3/5 watt LED		0,68	0,78
10065 , 4° optic holder for 1W Luxeon, white, 17.15 x 22.7 mm		0,87	1,00
10076 , 4° optic holder for 3W / 5W Luxeon, black, 16.15 x 21.7 mm		0,87	1,00
10077 , 4° optic holder for 3W / 5W Luxeon, white, 16.15 x 21.7 mm		0,87	1,00
SPECIAL OPTIC FOR HIGH POWER LED FIBERCOUPLING		EUR	USD
	special focusing optic designed for coupling light of power LEDs into a 6 mm NA 0.48 fiber bundle material: polycarbonate		
		1-49 pcs.	1-49 pcs.
10034 , fiber coupling optic, designed for 8-12 mm, NA 0.50 fiber bundles		3,86	4,40
REFLECTORS FOR HIGH POWER LEDs		EUR	USD
	metalized reflectors, material polycarbonate available for power LEDs with lambertian lens design and for Acriche LEDs recommended optic for narrow beam generation		
		1-49 pcs.	1-49 pcs.
CLP17CR , 6° reflector for lambertian LED, metalized polycarbonate 17.5 x 10.7mm [DxH]		2,33	2,66
CLP20CR , 6° reflector for lambertian LED, metalized polycarbonate 20.5 x 15.7mm [DxH]		2,33	2,66
CLP23CR , 20° reflector for Acriche LED, metalized polycarbonate 23.0 x 13.3mm [DxH]		3,54	4,03
CLP28ACR , 12° reflector for Acriche LED, metalized polycarbonate 27.5 x 18.3mm [DxH]		3,54	4,03
HIGH POWER LEDs - ARRAYS			

	<p>high power LED array 6 power chips inside, jumbo package, wavelength 655 nm, 685 nm, 800 nm or 870 nm,</p> <p>M18 x 1mm thread mounting</p>		
		1-9 pcs.	1-9 pcs.
FAT-655-40, 655 nm , 150 mW at 250 mA, 12.9 V, tr/ff 80/100 ns, 40°		63,00	71,79
FAT-685-40, 685 nm , 250 mW at 250 mA, 12.4 V, tr/ff 80/100 ns, 40°		63,00	71,79
FAT-800-40, 800 nm , 350 mW at 350 mA, 10 V, tr/ff 80/100 ns, 40°		46,20	52,65
FAT-870-40, 870 nm , 350 mW at 350 mA, 10 V, tr/ff 80/100 ns, 40°		46,20	52,65
HIGH POWER LED ARRAY 6 CHIPS JUMBO PACKAGE		EUR	USD
	<p>high power LED array, 6 chips, Jumbo package, wavelengths at 590 nm, 640 nm, 660 nm, 810 nm, 880 nm, 920 nm, 950 nm</p> <p>M10 x 1.5 mm thread package</p>		
		1-9 pcs.	1-9 pcs.
ELJ-595-225B, 590 nm , 12 mW at 100 mA, 15°, M10x1.5		26,50	30,20
ELJ-630-215, 630 nm , 58 mW at 100 mA, 12°, M10x1.5		26,50	30,20
ELJ-810-228B, 810 nm , 225 mW at 250 mA, 20°, M10x1.5		26,50	30,20
HIGH POWER LED ARRAY 4 PARALLEL CHIPS 10 mm EPOXY		EUR	USD
	<p>high power LED series, 4 parallel chips inside, If: 80 mA, 10 mm clear epoxy</p>		
		1-99 pcs.	1-99 pcs.
10W43-HCA-H, white , 13-15 cd at 80 mA, Vf <4.0 V, 60°		2,80	3,19
10W43-HCA-4P, white , 20-25 lm at 80 mA, Vf <3.6 V, 50°		2,80	3,19
10B43-HCA-H, blue , 470 nm , 8-10 cd at 80 mA, Vf <4.0 V, 60°		2,68	3,05
10C43-HCA-H, cyan , 505 nm , 9-12 cd at 80 mA, Vf <4.0 V, 60°		2,88	3,28
10G43-HCA-H, green , 525 nm , 15-18 cd at 80 mA, Vf <3.8 V, 60°		2,88	3,28
10Y43-HCA-H, yellow , 590 nm , 7-8 cd at 80 mA, Vf <2.2 V, 60°		1,48	1,69
HIGH POWER LED ARRAY 4 PARALLEL CHIPS 10 mm EPOXY		EUR	USD
	<p>high power LED series 4 parallel chips inside, If: 80 mA, 10 mm clear epoxy copper lead frame</p>		
		1-99 pcs.	1-99 pcs.
RLS-10W2P4D, white , 22 cd at 80 mA, Vf <3.4 V, 8-10°, 10 mm epoxy		3,64	4,15
10W4DHCB-H, white , 13-15 cd at 80 mA, Vf <4.0 V, 180°		2,92	3,33
10B4DHCB-H, blue , 470 nm , 8-10 cd at 80 mA, Vf <4.0 V, 180°		2,80	3,19
10C4DHCB-H, cyan , 505 nm , 9-11 cd at 80 mA, Vf <4.0 V, 180°		3,00	3,42
10G4DHCB-H, green , 525 nm , 15-18 cd at 80 mA, Vf <3.8 V, 180°		3,00	3,42
10Y4DHCB-H, yellow , 590 nm , 8-9 cd at 80 mA, Vf <2.2 V, 180°		1,60	1,82
10R4DHCB-H, red , 625 nm , 7-8 cd at 80 mA, Vf <2.2 V, 180°		1,60	1,82
HIGH POWER LED ARRAY 4 PARALLEL CHIPS square EPOXY		EUR	USD
	<p>high power LED series 4 parallel chips inside, If: 80 mA, clear epoxy package base size: 7.6 x 7.6 mm²</p>		
		1-99 pcs.	1-99 pcs.
5W4S2HCA, white , 5-8 cd at 80 mA, Vf <4.0 V, +/-90°		1,68	1,91
5B4S2HCA, blue , 470 nm , 3-6 cd at 80 mA, Vf <4.0 V, +/-90°		1,39	1,59
5G4S2HCA, green , 528 nm , 7-10 cd at 80 mA, Vf <4.0 V, +/-90°		1,81	2,06
5Y4S2HCA, yellow , 590 nm , 3-6 cd at 80 mA, Vf <2.2 V, +/-90°		0,86	0,98

5R4S2HCA, red, 622 nm , 3-6 cd at 80 mA, Vf <2.2 V, +/-90°	0,83	0,95
HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE	EUR	USD
 <p>high power LED array aluminium plate package with 3 x 1 mm² power chips onboard. LED chips connected in parallel.</p> <p>Size: 35 mm diameter</p>	1-9 pcs.	1-9 pcs.
35L3-HW-60, white, 20 cd at 1050 mA, Vf <4.0 V, 60°	17,50	19,94
35L3-HU-60, UV, 395-405 nm , 3 x 16 mW at 1050 mA, Vf <4.0 V, 60°	19,50	22,22
35L3-HB-60, blue, 470 nm , 28 cd, 3 x 18 mW at 1050 mA, Vf <4.0 V, 60°	16,90	19,26
35L3-HC-60, cyan, 505 nm , 36 cd, 3 x 17 mW at 1050 mA, Vf <4.0 V, 60°	19,50	22,22
35L3-HG-60, green, 525 nm , 28 cd, 3 x 15 mW at 1050 mA, Vf <3.8 V, 60°	18,50	21,08
35L3-HY-60, amber, 590 nm , 24 cd, 3 x 10 mW at 1050 mA, Vf <2.8 V, 60°	9,50	10,83
35L3-HR-60, red, 625 nm , 20 cd, 3 x 22 mW at 1050 mA, Vf <2.8 V, 60°	9,50	10,83
35L3-H850-60, IR, 850 nm , xxx mW at 1500 mA, Vf <2.5 V, 60°	18,50	21,08
35L3-H880-60, IR, 880 nm , 3 x 45 mW at 1500 mA, Vf <2.4 V, 60°	18,50	21,08
35L3-H940-60, IR, 940 nm , 3 x 40 mW at 1500 mA, Vf <2.2 V, 60°	18,50	21,08
HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE	EUR	USD
 <p>high power LED array aluminium plate package 8 x 1 mm² power chips onboard. total 8 W electrical power size: 38 mm diameter</p>	1-9 pcs.	1-9 pcs.
C38A8-HU-30, UV, 395-405 nm , 8 x 16 mW, 4 x 350 mA, Uf: 4 x typ. 7.6 V, 30°	38,00	43,30
C38A8-HB-30, blue, 470 nm , 8 x 4.5 lm, 4 x 350 mA, Uf: 4 x typ. 7.0 V, 30°	32,50	37,04
C38A8-HC-30, cyan, 505 nm , 8 x 10 lm, 4 x 350 mA, Uf: 4 x typ. 7.2 V, 30°	35,50	40,45
C38A8-HY-30, amber, 590 nm , 8 x 10 lm, 4 x 350 mA, Uf: 4 x typ. 4.1 V, 30°	23,00	26,21
C38A8-H850-30, IR, 850 nm , 8 x 40 mW, 4 x 300 mA, Uf: 4 x typ. 2.9 V, 30°	40,50	46,15
C38A8-H880-30, IR, 880 nm , 8 x 40 mW, 4 x 300 mA, Uf: 4 x typ. 2.8 V, 30°	40,50	46,15
HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE	EUR	USD
 <p>high power LED array aluminium plate package 24 x 3528 SMD LEDs onboard.</p> <p>size: 42.1 mm diameter</p>		
L2X2-I3CA, 850 nm , 24 x 20 mW/sr, 400 mA, Uf: 6 VDC, 120°	7,25	8,26
L2X2-I5LA, 940 nm , 24 x 20 mW/sr, 400 mA, Uf: 6 VDC, 120°	6,20	7,07
L2X3-I5LA, 940 nm , 24 x 20 mW/sr, 130 mA, Uf: 12 VDC, 120°	6,20	7,07
MULTI WATT LED ENGINES	EUR	USD
 <p>ULTRA high power LED light engines</p> <ul style="list-style-type: none"> • USB/serial PC Interface for monitoring • software included • ready to operate • up to 1000lm • thermal protection system 	1-9 pcs.	1-9 pcs.
UNO18 AIR LE WHITE, white, 18W, air cooled light engine, white	169,60	193,27
SUPER HIGH POWER LED ARRAY ALUMINIUM-PCB PACKAGE	EUR	USD
 <p>high power LED array, metal PCB package with 12 parallel 1 mm² power chips, 30°.</p> <p>Size: 72 x 32 mm²</p>	1-5 pcs.	1-5 pcs.
RLT-MIL470-12W-30, white, 12 power chips, 4.2A, 4.7V, 30°	76,27	86,92
RLT-MIL505-12C-30, cyan, 505 nm , 12 power chips, 12 x 18 mW at 4.2A, 4.5V, 30°	80,08	91,26

RLT-MIL590-12A-30, amber, 590 nm , 12 power chips, 12 x 10 mW at 4.2A, 3.3V, 30°	50,72	57,80
RLT-MIL630-12R-30, red, 630 nm , 12 power chips, 12 x 24 mW at 4.2A, 3.3V, 30°	50,72	57,80
RLT-MIL780-12I-30, IR, 780 nm , 12 power chips, 12 x 100 mW at 4.2A, 2.5V, 30°	91,53	104,30
RLT-MIL810-12I-30, IR, 810 nm , 12 power chips, 12 x 150 mW at 4.2A, 2.5V, 30°	91,53	104,30
RLT-MIL850-12I-30, IR, 850 nm , 12 power chips, 12 x 160 mW at 4.2A, 2.5V, 30°	91,53	104,30
RLT-MIL880-12I-30, IR, 880 nm , 12 power chips, 12 x 120 mW at 4.2A, 2.5V, 30°	91,53	104,30
RLT-MIL940-12I-30, IR, 940 nm , 12 power chips, 12 x 120 mW at 4.2A, 2.3V, 30°	91,53	104,30
HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE	EUR	USD
 <p>high power LED array 3 x 3 power LED chips on aluminium plate, size 38.3 x 39.7 mm², drive current typ. 1050 mA, electrical power typ. 10 W</p>	1-9 pcs.	1-9 pcs.
RLT-BA1000-02, 3x3 array, 470 nm , 100 lm, 1.05 A at 10.2 V, 60°	64,00	72,93
RLT-GA1000-02, 3x3 array, 525 nm , 140 lm, 1.05 A at 10.5 V, 60°	62,00	70,65
HIGH POWER LED ARRAY METAL PLATE PACKAGE	EUR	USD
	1-9 pcs.	1-9 pcs.
ELM-875-8x24-2, IR, 870 nm , 720 mW at 500 mA, Uf: 7.0 V, 25°, size: 24 x 8 x 5.5 mm ³	72,00	82,05
ELM-910-927, IR, 910 nm +/-10 nm , 390 mW at 500 mA, 20°, size: 24 x 8 x 5.5 mm ³	72,00	82,05
HIGH POWER LED ARRAY METAL PLATE PACKAGE	EUR	USD
 <p>high power LED arrays for illumination purposes</p>	1-9 pcs.	1-9 pcs.
ELA-920-22x60, IR, 920 nm , 2 x 10 emitters, 22 x 60 mm ² , 1 W	92,22	105,09
HIGH POWER LED ARRAY 4 POWER CHIPS TO-3 PACKAGE	EUR	USD
 <p>high power LED array TO-3 package with 4 power LED chips inside, 2 x 2 matrix</p> <p>diverse wavelengths available on request</p>	1-9 pcs.	1-9 pcs.
TO3A4-H390-180, UV, 382-390 nm , 200 mW at 1.4 A, Uf: 4.1 V, +/-90°, TO-3	63,00	71,79
TO3A4-HU-180, UV, 395-405 nm , 65 mW at 1.4 A, Uf: 4.5 V, +/-90°, TO-3	23,80	27,12
TO3A4-HB-180, blue, 470 nm , 90 mW at 1.4 A, Uf: 4.4 V, +/-90°, TO-3	19,40	22,11
TO3A4-HW-180, white, 70 cd at 1.4 A, Uf: 4.1 V, +/-90°, TO-3	21,20	24,16
TO3A4-HY-180, amber, 590 nm , 160 mW at 1.4 A, Uf: 2.6 V, +/-90°, TO-3	14,40	16,41
TO3A4-HR-180, red, 630 nm , 110 mW at 1.4 A, Uf: 2.5 V, +/-90°, TO-3	14,40	16,41
TO3A4-H650-180, red, 650 nm , 130 mW at 1.4 A, Uf: 2.5 V, +/-90°, TO-3	25,40	28,94
TO3A4-H660-180, red, 660 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,94
TO3A4-H670-180, red, 670 nm , 200 mW at 1.4 A, Uf: 2.5 V, +/-90°, TO-3	25,40	28,94
TO3A4-H680-180, red, 680 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,94
TO3A4-H690-180, red, 690 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,94
TO3A4-H720-180, IR, 720 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,94
TO3A4-H740-180, IR, 740 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,94
TO3A4-H760-180, IR, 760 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,94
TO3A4-H770-180, IR, 770 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,94
TO3A4-H780-180, IR, 780 nm , 270 mW at 1.4 A, Uf: 2.2 V, +/-90°, TO-3	25,40	28,94
TO3A4-H810-180, IR, 810 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,94
TO3A4-H820-180, IR, 820 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,94
TO3A4-H880-180, IR, 880 nm , 200 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,94




TO3A4-H890-180, IR, 890 nm , 200 mW at 1.4 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,94
TO3A4-H905-180, IR, 905 nm , 150 mW at 1.2 A, Uf: 1.7 V, +/-90°, TO-3	25,40	28,94
TO3A4-H940-180, IR, 940 nm , 150 mW at 1.2 A, Uf: 1.7 V, +/-90°, TO-3	25,40	28,94
HIGH POWER LED ARRAY 12 POWER CHIPS TO-66 PACKAGE	EUR	USD
 <p>high power LED array TO-66 package with 12 power LED chips inside, 4 x 3 matrix, white</p>	1-9 pcs.	1-9 pcs.
LED47W-66-12100, +/-60°, white, +/-60°, TO-66	151,97	173,18
HIGH POWER LED ARRAY 16 POWER CHIPS TO-66 PACKAGE	EUR	USD
 <p>high power LED array TO-66 package with 16 power LED chips inside, 4 x 4 matrix, white</p>	1-9 pcs.	1-9 pcs.
LED47W-66-16100, white, 80 lm at 1.2 A, Uf: 13 V, +/-60°, TO-66	185,54	211,43
HIGH POWER LED ARRAY 16 POWER CHIPS TO-66 PACKAGE	EUR	USD
 <p>high power LED array TO-66 package with 16 power LED chips inside, 4 x 4 matrix, flat glass window, hermetic sealed</p>	1-9 pcs.	1-9 pcs.
LED365V-66-16100-110, 365 nm , 5.3 W at 2 A, Uf 14 V, +/-52°, TO-66	405,39	461,97
LED375V-66-16100-110, 375 nm , 4.6 W at 2 A, Uf 14 V, +/-52°, TO-66	348,78	397,46
LED385V-66-16100-110, 385 nm , 5 W at 2 A, Uf 14 V, +/-52°, TO-66	262,96	299,65
LED395V-66-16100-110, 395 nm , 6.6 W at 2 A, Uf 14 V, +/-53°, TO-66	228,99	260,95
LED405V-66-16100-110, 405 nm , 1.5 W at 1 A, Uf 13.8 V, +/-60°, TO-66	228,99	260,95
 <p>high power LED array TO-66 package with 16 power LED chips inside, 4 x 4 matrix, silicone + epoxy lens</p>	1-9 pcs.	1-9 pcs.
LED385-66-16100, UV, 385 nm , +/-60°, TO-66	339,65	387,05
LED415-66-16100, UV, 415 nm , +/-60°, TO-66	o.r.	o.r.
LED470-66-16100, blue, 470 nm , 3.2 W at 1.4 A, Uf: 12 V, +/-64°, TO-66	186,26	212,26
LED660N-66-16100, red, 660 nm , 2.8 W at 1.4A, Uf: 9.2 V, +/-60°, TO-66	113,22	129,02
LED680-66-16100, red, 680 nm , 450 mW at 1.4 A, Uf: 7.7 V, +/-60°, TO-66	178,04	202,89
LED690D-66-16100, red, 690 nm , 5.9 W at 2.4 A, Uf: 10 V, +/-62°, TO-66	195,39	222,66
LED720-66-16100, IR, 720 nm , 550 mW at 1.4 A, Uf: 7.4 V, +/-60°, TO-66	178,04	202,89
LED730-66-16100, IR, 730 nm , 600 mW at 1.4 A, Uf: 7.4 V, +/-60°, TO-66	178,04	202,89
LED735-66-16100, IR, 735 nm , +/-60°, TO-66	178,04	202,89
LED740-66-16100, IR, 740 nm , 450 mW at 1.4 A, Uf: 5.5 V, +/-60°, TO-66	178,04	202,89
LED760D-66-16100, IR, 760 nm , 5.7 W at 3.2 A, Uf: 8.6 V, +/-64°, TO-66	195,39	222,66
LED780-66-16100, IR, 780 nm , 2.8 W at 3.2 A, Uf: 8.0 V, +/-60°, TO-66	178,04	202,89
LED790-66-16100, IR, 790 nm , +/-60°, TO-66	171,65	195,61
LED810-66-16100, IR, 810 nm , 900 mW at 1.4 A, Uf: 6.8 V, +/-60°, TO-66	171,65	195,61
LED840-66-16100, IR, 840 nm , +/-60°, TO-66	171,65	195,61
LED850D-66-16100, IR, 850 nm , 8 W at 4 A, Uf 8.4 V, +/-63°, TO-66	136,96	156,07
LED870-66-16100, IR, 870 nm , +/-60°, TO-66	136,96	156,07
LED920-66-16100, IR, 920 nm , 650 mW at 2.0 A, Uf: 5.5 V, +/-60°, TO-66	93,13	106,13
LED940-66-16100, IR, 940 nm , 1000 mW at 2.4 A, +/-60°, TO-66	93,13	106,13
LED950-66-16100, IR, 950 nm , 750 mW at 2.0 A, Uf: 5.5 V, +/-60°, TO-66	93,13	106,13
LED1050-66-16100, IR, 1050 nm , 150 mW at 2.0 A, Uf: 4.8 V, +/-68°, TO-66	o.r.	o.r.
LED1200-66-16100, IR, 1200 nm , 200 mW at 2.0 A, Uf: 4.4 V, +/-69°, TO-66	o.r.	o.r.
LED1300-66-16100, IR, 1300 nm , 180 mW at 2.0 A, Uf: 4.1 V, +/-69°, TO-66	o.r.	o.r.
LED1450-66-16100, IR, 1450 nm , 95 mW at 2.0 A, Uf: 4.1 V, +/-67°, TO-66	o.r.	o.r.
HIGH POWER UVLED ARRAY 60 CHIPS TO-66 GLASS WINDOW	EUR	USD

 <p>TO-66 high power UVLED array flat glass window 60 chips array inside (6x10 chips on a 50 mm² footprint) 365 nm - 435 nm available</p>		
	1-9 pcs.	1-9 pcs.
LED365-66-60-110, 365 nm , 80 mW at 200 mA, TO-66, 60 chips, flat glass window	272,09	310,06
LED375-66-60-110, 375 nm , 150 mW at 200 mA, TO-66, 60 chips, flat glass window	272,09	310,06
LED385-66-60-110, 385 nm , 150 mW at 240 mA, TO-66, 60 chips, flat glass window	272,09	310,06
LED395-66-60-110, 395 nm , 240 mW at 240 mA, TO-66, 60 chips, flat glass window	272,09	310,06
LED405-66-60-110, 405 nm , 300 mW at 400 mA, TO-66, 60 chips, flat glass window	261,13	297,57
LED415-66-60-110, 415 nm , 300 mW at 240 mA, TO-66, 60 chips, flat glass window	261,13	297,57
LED420-66-60-110, 420 nm , 550 mW at 400 mA, TO-66, 60 chips, flat glass window	261,13	297,57
LED430-66-60-110, 430 nm , 550 mW at 400 mA, TO-66, 60 chips, flat glass window	261,13	297,57
LED435-66-60-110, 435 nm , TO-66, 60 chips, flat glass window	261,13	297,57
HIGH POWER LED ARRAY 60 CHIPS TO-66 SILICONE/EPOXY RESIN	EUR	USD
 <p>TO-66 high power UVLED array Silicone/Epoxy Resin 60 chips array inside (6x10 chips on a 50 mm² footprint) 365 nm - 1550 nm available</p>		
	1-9 pcs.	1-9 pcs.
LEDW47-66-60, white , 13 cd at 240 mA, TO-66, silicone / epoxy resin	191,74	218,50
LED365-66-60, 365 nm , 80 mW at 200 mA, TO-66, 60 chips, silicone resin	204,52	233,06
LED375-66-60, 375 nm , 150 mW at 200 mA, TO-66, 60 chips, silicone resin	204,52	233,06
LED385-66-60, 385 nm , 150 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	204,52	233,06
LED395-66-60, 395 nm , 250 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	204,52	233,06
LED405-66-60, 405 nm , 310 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	197,91	225,53
LED420-66-60, 420 nm , 550 mW at 400 mA, TO-66, 60 chips, silicone / epoxy resin	204,52	233,06
LED430-66-60, 430 nm , 550 mW at 400 mA, TO-66, 60 chips, silicone / epoxy resin	204,52	233,06
LED435-66-60, 435 nm , 550 mW at 400 mA, TO-66, 60 chips, silicone / epoxy resin	204,52	233,06
LED450-66-60, 450 nm , 40 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	171,16
LED470-66-60, 470 nm , 4.5 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	186,26	212,26
LED505-66-60, 505 nm , 60 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	186,26	212,26
LED525-66-60, 525 nm , 7 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	186,26	212,26
LED545-66-60, 545 nm , 220 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	511,30	582,66
LED565-66-60, 565 nm , 1.25 cd 8 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	60,26	68,67
LED570-66-60, 570 nm , 7 cd 36 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	60,26	68,67
LED590-66-60, 590 nm , 60 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	106,28	121,11
LED620-66-60, 620 nm , 7 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	106,28	121,11
LED630-66-60, 630 nm , 7 cd 140 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	106,28	121,11
LED645-66-60, 645 nm , 7 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	106,28	121,11
LED660-66-60, 660 nm , 3.5 cd 180 mW at 240 mA, TO-66, 60 chips ► PHASE OUT	38,10	43,42
LED660N-66-60, 660 nm , 62.8 cd 2.4 W at 1.2 A, TO-66, 60 chips, silicone / epoxy resin	106,28	121,11
LED670-66-60, 670 nm , 450 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	178,04	202,89
LED680-66-60, 680 nm , 300 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	178,04	202,89
LED690-66-60, 690 nm , 300 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	178,04	202,89
LED700-66-60, 700 nm , 300 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	178,04	202,89
LED720-66-60, 720 nm , 550 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	155,22	176,88
LED735-66-60, 735 nm , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	155,22	176,88
LED740-66-60, 740 nm , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	171,16
LED750-66-60, 750 nm , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	155,22	176,88
LED760-66-60, 760 nm , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	155,22	176,88
LED780-66-60, 780 nm , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	155,22	176,88
LED790-66-60, 790 nm , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	149,74	170,64
LED810-66-60, 810 nm , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	149,74	170,64
LED830-66-60, 830 nm , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	149,74	170,64
LED840-66-60, 840 nm , TO-66, 60 chips, silicone / epoxy resin	149,74	170,64



LED850-66-60, 850 nm , 1.5 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	120,16	136,93
LED870-66-60, 870 nm , 1.5 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	124,17	141,50
LED880-66-60, 880 nm , 1.5 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	124,17	141,50
LED890-66-60, 890 nm , 0.85 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	113,58	129,43
LED910-66-60, 910 nm , 600 mW at 800 mA, TO-66, 60 chips, silicone / epoxy resin	149,74	170,64
LED940-66-60, 940 nm , 550 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	84,37	96,14
LED950-66-60, 950 nm , xxx m W at xxx mA, TO-66, 60 chips, silicone / epoxy resin	84,37	96,14
LED970-66-60, 970 nm , 500 mW at 800 mA, TO-66, 60 chips, silicone / epoxy resin	100,43	114,45
LED980-66-60, 980 nm , 150 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	120,52	137,34
LED990-66-60, 990 nm , 100 mW at 600 mA, 6.5V, TO-66, 60 chips, silicone / epoxy resin	208,00	237,03
LED1050-66-60, 1050 nm , 80 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	337,83	384,97
LED1070-66-60, 1070 nm , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	337,83	384,97
LED1200-66-60, 1200 nm , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	337,83	384,97
LED1300-66-60, 1300 nm , 140 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	337,83	384,97
LED1450-66-60, 1450 nm , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	337,83	384,97
LED1550-66-60, 1550 nm , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	337,83	384,97
LED1650-66-60, 1650 nm , 30 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	o.r.	o.r.


further wavelengths available on request

HEAT SINKS FOR TO66 HIGH POWER LEDS

	EUR	USD
 <p>heat sink 47 x 20 mm for TO66 high power LEDs</p>	1-9 pcs.	1-9 pcs.
Heat Sink 47x20, for TO66, black aluminium, 47.5 x 20 mm, 54 g	9,33	10,63
	1-9 pcs.	1-9 pcs.
Heat Sink 47x10, for TO66, black aluminium, 47.5 x 10 mm, 27 g	6,15	7,01
 <p>thermal grease recommended for high power LED arrays in TO66 and TO3 packages</p>	1-9 pcs.	1-9 pcs.
Thermal Grease, ST-700 10% AgOx, TC: >7.5 W/mK, 1 g	1,27	1,45


OPTICS FOR TO66 HIGH POWER LEDS

	EUR	USD
 <p>aspheric glass LED optic 18 mm aperture compatible with TO66 high power LED package</p>	1-9 pcs.	1-9 pcs.
LED-OPTIC-18, aspheric glass lens, 18 mm aperture, for TO66 LED, +/-30°, f=13.5 mm	17,38	19,81
 <p>aspheric glass LED optic 12 mm aperture compatible with TO66 high power LED package with flat epoxy mold</p>	1-9 pcs.	1-9 pcs.

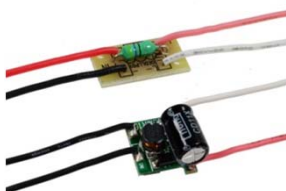
LED-OPTIC-12 , aspheric glass lens, 12 mm aperture, for TO-66 LED, +/-30°, f=12.0 mm	17,38	19,81
 <p>plastic LED optic/reflector compatible with TO66 high power LED package</p>	1-9 pcs.	1-9 pcs.

LENS-13 , plastic lens/reflector for TO66 high power LED, +/-15°	32,00	36,47
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ELECTRONICS FOR LEDs

LED Tester	EUR	USD
 <p>compact handheld LED Tester 2, 5, 10, 20, 30, 50, 70, 150 mA selectable suitable for standard and piranha LEDs control LED battery included</p>	1-49 pcs.	1-49 pcs.

LED Tester, 2...150 mA, 80 x 55 x 22 mm ³ , 75 g, battery included	9,90	11,28
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DRIVERS FOR LEDs, CW MODE	EUR	USD
 <p>Drivers for LEDs</p> <ul style="list-style-type: none"> - constant current logic - easy to install - small size 	1-5 pcs.	1-5 pcs.

LLP20, output 20-30 mA , input 1.5 VDC, for 1-5 LEDs (Vf=3.0 V), 21x11 mm	2,48	2,83
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CDDL350, output 350 mA , 12 - 24 V, input 7-30 VDC, 18x13 mm	3,90	4,44
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CDDL700, output 700 mA , 12 - 24 V, input 7-30 VDC, 18x13 mm	3,90	4,44
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POWER SUPPLIES FOR HIGH POWER LEDs

PTDCC constant current drivers	EUR	USD
 <p>Constant current driver for high power LEDs</p> <ul style="list-style-type: none"> - Supply voltage 12 - 24 VDC - DC constant current output - Thermal overload protection - Short circuit protection - CE certified, complies EN 61347 	1-9 pcs.	1-9 pcs.

PTDCC/S350/12-24, 350 mA , 12 - 24 VDC, 6 W, 30 x 14 x 8 mm ³	22,55	25,70
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 <p>Constant current driver for high power LEDs</p> <ul style="list-style-type: none"> - Supply voltage 95 -240 VAC - DC constant current output - Thermal overload protection - Short circuit protection - CE certified, complies EN 61347 	1-9 pcs.	1-9 pcs.
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PTDCC/10/U/350, 350mA , 95-240VAC, 8 W, 34x115x19mm ³ , complies UL1310 -> USA	23,25	26,49
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PTDCC/10/500, 500 mA , 95 - 240 VAC, 9 W, 34 x 115 x 19 mm ³	19,45	22,16
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PTDCC/10/700, 700 mA , 95 - 240 VAC, 9 W, 34 x 115 x 19 mm ³	20,65	23,53
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Multipower15, 350, 500, 700 mA , 220 - 240 VAC, 15 W, 34 x 115 x 19 mm ³	22,90	26,10
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 <p>Constant current driver for high power LEDs</p> <ul style="list-style-type: none"> - Supply voltage 220 -240 VAC - DC constant current output - wide output current range 200 - 950 mA - output current selectable by DIP switch - CE certified, complies EN 61347 	1-9 pcs.	1-9 pcs.
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Multipower30, 200-950 mA , 220 - 240 VAC, 30 W, 103 x 67 x 30 mm ³	35,40	40,34
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	<p>Constant current driver for high power LEDs</p> <ul style="list-style-type: none"> - Supply voltage 220 -240 VAC - DC constant current output - Thermal overload protection - Short circuit protection - CE certified, complies EN 61347 		
		1-9 pcs.	1-9 pcs.
PTDCC/15/500, 500 mA , 220 - 240 VAC, 17 W, 38 x 123 x 21 mm ³		27,35	31,17
PTDCC/15/700, 700 mA , 220 - 240 VAC, 17 W, 38 x 123 x 21 mm ³		28,55	32,53
	<p>Constant current driver for high power LED</p> <ul style="list-style-type: none"> - Supply voltage 95 -240 VAC - DC constant current output - Thermal overload and short circuit protection - built in type - CE certified, complies EN 61347 		
		1-9 pcs.	1-9 pcs.
PTDCCCL/10/350, 350 mA , 95 - 240 VAC, 10 W, 22 x 145 x 22 mm ³		19,80	22,56
PTDCCCL/10/700, 700 mA , 95 - 240 VAC, 10 W, 22 x 145 x 22 mm ³		23,80	27,12

LEDS - INDUSTRIAL ILLUMINATION

IDLT series		EUR	USD
	<p>industrial series high power LED array alu PCB design, diameter 55 mm</p> <p>brightness up to 1200 lm</p>		
		1-5 pcs.	1-5 pcs.
IDLT018-CW3, white , 5000-10000 K, 220 lm, +/- 75°, If = 320 mA, Uf = 9.0 - 11.0 V		6,85	7,81
IDLT018-CW6, white , 5000-10000 K, 430 lm, +/- 75°, If = 640 mA, Uf = 9.0 - 11.0 V		10,44	11,90
IDLT018-CW9, white , 5000-10000 K, 720 lm, +/- 75°, If = 960 mA, Uf = 9.0 - 11.0 V		14,35	16,35
IDLT018-WW3, warm white , 2700-4500 K, 200 lm, +/- 75°, If=320mA, Uf = 9.0 - 11.0 V		6,85	7,81
IDLT018-WW6, warm white , 2700-4500 K, 410 lm, +/- 75°, If=640mA, Uf = 9.0 - 11.0 V		10,44	11,90
IDLT018-WW9, warm white , 2700-4500 K, 700 lm, +/- 75°, If=960mA, Uf = 9.0 - 11.0 V		14,35	16,35
	<p>industrial series high power LED array alu PCB design, diameter 30 mm</p> <p>brightness 115 lm</p>		
		1-9 pcs.	1-9 pcs.
IDLT021-CW1, white , 5000-10000 K, 115 lm, +/- 75°, If = 120 mA, Uf = 11.6 - 13.5V		4,70	5,36
IDLT021-WW1, warm white , 2700-4500 K, 110 lm, +/- 75°, If = 120 mA, Uf = 9.0 - 11.0V		4,70	5,36
	<p>industrial series high power LED array alu PCB design, diameter 30 mm high voltage, low current</p> <p>brightness 115 lm</p>		
		1-9 pcs.	1-9 pcs.
IDLT021-CW1HV, white , 5000-1000 K, 115 lm, +/- 75°, If = 20 mA, Uf = 70 - 82 V		4,70	5,36
IDLT021-WW1HV, warm white , 2700-4500 K, 110 lm, +/- 75°, If = 20 mA, Uf = 70 - 82 V		4,70	5,36
	<p>industrial durable high power LED array alu PCB design 48 x 7 x 1.7 mm</p> <p>brightness 175 lm</p>		
		1-9 pcs.	1-9 pcs.
IDLT020-WW3, warm white , 2700-4500 K, 160 lm, +/- 75°, If = 320 mA, Uf = 9.0 - 10.5 V		7,05	8,03

LEDS - MID-IR

STANDARD MID-IR LEDs 1 - 5 µm	EUR	USD
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Standard Mid-IR LEDs

- wavelength: 1 - 5 μm
 - QCW and pulse mode operation





options: parabolic reflector (**R**), window (**W**),
 thermoelectric cooler and thermoresistor (**T**),
 glass cover (**L**), narrow spectrum (**NS**)


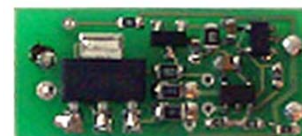

package: SMD, TO-18, TO-5


1.05 μm		
LED10-SMD3020, 1.03-1.07 μm , FWHM 70-100 nm, QCW 12-20 mW, SMD 3x2 mm	50,40	57,43
LED10, 1.03-1.07 μm , FWHM 70-100 nm, QCW 12-20 mW, TO-18, cap, window	50,40	57,43
LED10-R, 1.03-1.07 μm , FWHM 70-100 nm, QCW 12-20 mW, TO-18, reflector, no window	61,60	70,20
LED10-RW, 1.03-1.07 μm , FWHM 70-100 nm, QCW 12-20 mW, TO-18, reflector, window	84,00	95,72
LED10-TW, 1.03-1.07 μm , FWHM 70-100 nm, QCW 12-20 mW, TO-5, cap, window, TEC	210,00	239,31
LED10-TRW, 1.03-1.07 μm , FWHM 70-100 nm, QCW 12-20 mW, TO-5, reflector, window, TEC	230,00	262,10
1.10 μm		
LED11, 1.09-1.15 μm , FWHM 60-80 nm, QCW 4.5-9.0 mW, TO-18, cap, no window	92,40	105,30
LED11-R, 1.09-1.15 μm , FWHM 60-80 nm, QCW 4.5-9.0 mW, TO-18, reflector, no window	98,00	111,68
LED11-RW, 1.09-1.15 μm , FWHM 60-80 nm, QCW 4.5-9.0 mW, TO-18, reflector, window	103,60	118,06
LED11-TW, 1.09-1.15 μm , FWHM 60-80 nm, QCW 4.5-9.0 mW, TO-5, cap, window, TEC	142,50	162,39
LED11-TRW, 1.09-1.15 μm , FWHM 60-80 nm, QCW 4.5-9.0 mW, TO-5, reflector, window, TEC	147,50	168,09
1.32 μm		
LED13-SMD3020, 1.25-1.33 μm , FWHM 70-100 nm, QCW 10-18 mW, SMD 3x2 mm	50,40	57,43
LED13, 1.25-1.33 μm , FWHM 70-100 nm, QCW 10-18 mW, TO-18, cap, window	50,40	57,43
LED13-R, 1.25-1.33 μm , FWHM 70-100 nm, QCW 10-18 mW, TO-18, reflector, no window	61,60	70,20
LED13-RW, 1.25-1.33 μm , FWHM 70-100 nm, QCW 10-18 mW, TO-18, reflector, window	84,00	95,72
LED13-TW, 1.25-1.33 μm , FWHM 70-100 nm, QCW 10-18 mW, TO-5, cap, window, TEC	210,00	239,31
LED13-TRW, 1.25-1.33 μm , FWHM 70-100 nm, QCW 10-18 mW, TO-5, reflector, window, TEC	230,00	262,10
1.45 μm		
LED14-SMD3020, 1.40-1.49 μm , FWHM 90-120 nm, QCW 7-15 mW, SMD 3x2 mm	50,40	57,43
LED14, 1.40-1.49 μm , FWHM 90-120 nm, QCW 7-15 mW, TO-18, cap, window	50,40	57,43
LED14-R, 1.40-1.49 μm , FWHM 90-120 nm, QCW 7-15 mW, TO-18, reflector, no window	61,60	70,20
LED14-RW, 1.40-1.49 μm , FWHM 90-120 nm, QCW 7-15 mW, TO-18, reflector, window	84,00	95,72
LED14-TW, 1.40-1.49 μm , FWHM 90-120 nm, QCW 7-15 mW, TO-5, cap, window, TEC	210,00	239,31
LED14-TRW, 1.40-1.49 μm , FWHM 90-120 nm, QCW 7-15 mW, TO-5, reflector, window, TEC	230,00	262,10
1.53 μm		
LED15-SMD3020, 1.50-1.59 μm , FWHM 110-140 nm, QCW 7-15 mW, SMD 3x2 mm	50,40	57,43
LED15, 1.50-1.59 μm , FWHM 110-140 nm, QCW 7-15 mW, TO-18, cap, window	50,40	57,43
LED15-R, 1.50-1.59 μm , FWHM 110-140 nm, QCW 7-15 mW, TO-18, reflector, no window	61,60	70,20
LED15-RW, 1.50-1.59 μm , FWHM 110-140 nm, QCW 7-15 mW, TO-18, reflector, window	84,00	95,72
LED15-TW, 1.50-1.59 μm , FWHM 110-140 nm, QCW 7-15 mW, TO-5, cap, window, TEC	210,00	239,31
LED15-TRW, 1.50-1.59 μm , FWHM 110-140 nm, QCW 7-15 mW, TO-5, reflector, window, TEC	230,00	262,10
1.65 μm		
LED16-SMD3020, 1.60-1.69 μm , FWHM 120-150 nm, QCW 7-15 mW, SMD 3x2 mm	50,40	57,43
LED16, 1.60-1.69 μm , FWHM 120-150 nm, QCW 7-15 mW, TO-18, cap, window	50,40	57,43
LED16-R, 1.60-1.69 μm , FWHM 120-150 nm, QCW 7-15 mW, TO-18, reflector, no window	61,60	70,20
LED16-RW, 1.60-1.69 μm , FWHM 120-150 nm, QCW 7-15 mW, TO-18, reflector, window	84,00	95,72
LED16-TW, 1.60-1.69 μm , FWHM 120-150 nm, QCW 7-15 mW, TO-5, cap, window, TEC	210,00	239,31
LED16-TRW, 1.60-1.69 μm , FWHM 120-150 nm, QCW 7-15 mW, TO-5, reflector, window, TEC	230,00	262,10
1.73 μm		
LED17-SMD3020, 1.70-1.76 μm , FWHM 160-220 nm, QCW 5-10 mW, SMD 3x2 mm	50,40	57,43
LED17, 1.70-1.76 μm , FWHM 160-220 nm, QCW 5-10 mW, TO-18, cap, window	50,40	57,43
LED17-R, 1.70-1.76 μm , FWHM 160-220 nm, QCW 5-10 mW, TO-18, reflector, no window	61,60	70,20
LED17-RW, 1.70-1.76 μm , FWHM 160-220 nm, QCW 5-10 mW, TO-18, reflector, window	84,00	95,72
LED17-TW, 1.70-1.76 μm , FWHM 160-220 nm, QCW 5-10 mW, TO-5, cap, window, TEC	210,00	239,31
LED17-TRW, 1.70-1.76 μm , FWHM 160-220 nm, QCW 5-10 mW, TO-5, reflector, window, TEC	230,00	262,10
1.85 μm		
LED18-SMD3020, 1.80-1.89 μm , FWHM 100-200 nm, QCW 0.7-1.1 mW, SMD 3x2 mm	100,80	114,87
LED18, 1.80-1.89 μm , FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-18, cap, window	100,80	114,87
LED18-R, 1.80-1.89 μm , FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-18, reflector, no window	112,00	127,63
LED18-RW, 1.80-1.89 μm , FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-18, reflector, window	134,40	153,16
LED18-TW, 1.80-1.89 μm , FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-5, cap, window, TEC	265,00	301,98

LED18-TRW, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-5, reflector, window, TEC	285,00	324,77
1.95 µm		
LED19-SMD3020, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, SMD 3x2 mm	100,80	114,87
LED19, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-18, cap, window	100,80	114,87
LED19-R, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window	112,00	127,63
LED19-RW, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-18, reflector, window	134,40	153,16
LED19-TW, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC	265,00	301,98
LED19-TRW, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC	285,00	324,77
2.05 µm		
LED20-SMD3020, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, SMD 3x2 mm	100,80	114,87
LED20, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, cap, window	100,80	114,87
LED20-R, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window	112,00	127,63
LED20-RW, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, window	134,40	153,16
LED20-TW, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC	265,00	301,98
LED20-TRW, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC	285,00	324,77
2.15 µm		
LED21-SMD3020, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, SMD 3x2 mm	100,80	114,87
LED21, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, cap, window	100,80	114,87
LED21-R, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window	112,00	127,63
LED21-RW, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, window	134,40	153,16
LED21-TW, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC	265,00	301,98
LED21-TRW, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC	285,00	324,77
2.22 µm		
LED22-SMD3020, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, SMD 3x2 mm	100,80	114,87
LED22, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, cap, no window	100,80	114,87
LED22-R, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window	112,00	127,63
LED22-RW, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, window	134,40	153,16
LED22-TW, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC	265,00	301,98
LED22-TRW, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC	285,00	324,77
2.35 µm		
LED23-SMD3020, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, SMD 3x2 mm	100,80	114,87
LED23, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-18, cap, no window	100,80	114,87
LED23-R, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-18, reflector, no window	112,00	127,63
LED23-RW, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-18, reflector, window	134,40	153,16
LED23-TW, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-5, cap, window, TEC	265,00	301,98
LED23-TRW, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-5, reflector, window, TEC	285,00	324,77
2.75 µm		
LED27-SMD3020, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, SMD 3x2 mm	100,80	114,87
LED27, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-18, cap, no window	100,80	114,87
LED27-R, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-18, reflector, no window	112,00	127,63
LED27-RW, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-18, reflector, window	134,40	153,16
LED27-L, 2.70-2.79 µm, FWHM 300-500 nm, QCW 50-150 µW, TO-18, glass cover	112,00	127,63
LED270NS-RW, 2.72-2.76 µm, FWHM 210-260 nm, QCW 3-5 µW, TO-18, reflector, window	422,50	481,46
LED27-TW, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-5, cap, window, TEC	265,00	301,98
LED27-TRW, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-5, reflector, window, TEC	285,00	324,77
2.84 µm		
LED28-SMD3020, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, SMD 3x2 mm	100,80	114,87
LED28, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-18, cap, no window	100,80	114,87
LED28-R, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-18, reflector, no window	112,00	127,63
LED28-RW, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-18, reflector, window	134,40	153,16
LED28-L, 2.83-2.90 µm, FWHM 300-500 nm, QCW 100-300 µW, TO-18, glass cover	112,00	127,63
LED28-TW, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-5, cap, window, TEC	265,00	301,98
LED28-TRW, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-5, reflector, window, TEC	285,00	324,77
3.05 µm		
LED305NS-RW, 3.02-3.07 µm, FWHM 100-160 nm, QCW 6-10 µW, TO-18, reflector, window	345,00	393,15
LED305NS-TRW, 3.03-3.07 µm, FWHM 100-140 nm, QCW 7-9 µW, TO-5, reflector, window, TEC	442,50	504,26
3.15 µm		
LED315NS-RW, 3.12-3.17 µm, FWHM 100-160 nm, QCW 8-14 µW, TO-18, reflector, window	347,50	396,00
3.24 µm		
LED32, 3.20-3.30 µm, FWHM 400-700 nm, QCW 10-35 µW, TO-18, cap, no window	92,40	105,30
LED32-R, 3.20-3.30 µm, FWHM 400-700 nm, QCW 10-35 µW, TO-18, reflector, no window	98,00	111,68

LED32-RW, 3.20-3.30 µm, FWHM 400-700 nm, QCW 10-35 µW, TO-18, reflector, window	103,60	118,06
LED321NS-RW, 3.20-3.22 µm, FWHM 100-160 nm, QCW 5-9 µW, TO-18, reflector, window	370,00	421,64
LED32-TW, 3.20-3.30 µm, FWHM 400-700 nm, QCW 10-35 µW, TO-5, cap, window, TEC	159,60	181,87
LED32-TRW, 3.20-3.30 µm, FWHM 400-700 nm, QCW 10-35 µW, TO-5, reflector, window, TEC	165,20	188,26
3.30 µm		
LED332NS-RW, 3.30-3.34 µm, FWHM 120-280 nm, QCW 15-22 µW, TO-18, reflector, window	387,50	441,58
LED334NS-RW, typ. 3.34 µm, FWHM typ. 200 nm, QCW typ. 18 µW, TO-18, reflector, window	397,50	452,98
3.40 µm		
LED34-SMD3020, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, SMD 3x2 mm	53,20	60,62
LED34, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-18, cap, no window	53,20	60,62
LED34-R, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-18, reflector, no window	64,40	73,39
LED34-RW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-18, reflector, window	86,80	98,91
LED34-L, 3.30-3.44 µm, FWHM 250-600 nm, QCW 100-300 µW, TO-18, glass cover	58,80	67,01
LED34-TW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-5, cap, window, TEC	212,50	242,16
LED34-TRW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-5, reflector, window, TEC	232,50	264,95
LED340NS-TRW, 3.36-3.44 µm, FWHM 120-280 nm, QCW 15-22 µW, TO-5, reflector, win., TEC	598,00	681,46
3.45 µm		
LED35-SMD3020, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, SMD 3x2 mm	53,20	60,62
LED35, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-18, cap, no window	53,20	60,62
LED35-R, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-18, reflector, no window	64,40	73,39
LED35-RW, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-18, reflector, window	86,80	98,91
LED35-TW, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-5, cap, window, TEC	212,50	242,16
LED35-TRW, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-5, reflector, window, TEC	232,50	264,95
3.56 µm		
LED36-SMD3020, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, SMD 3x2 mm	100,80	114,87
LED36, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-18, cap, no window	100,80	114,87
LED36-R, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-18, reflector, no window	112,00	127,63
LED36-RW, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-18, reflector, window	154,00	175,49
LED36-TW, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-5, cap, window, TEC	265,00	301,98
LED36-TRW, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-5, reflector, window, TEC	285,00	324,77
3.85 µm		
LED38-SMD3020, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, SMD 3x2 mm	53,20	60,62
LED38, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-18, cap, no window	53,20	60,62
LED38-R, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-18, reflector, no window	64,40	73,39
LED38-RW, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-18, reflector, window	106,40	121,25
LED38-L, 3.70-3.94 µm, FWHM 500-700 nm, QCW 45- µW, TO-18, glass cover	58,80	67,01
LED38-TW, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-5, cap, window, TEC	212,50	242,16
LED38-TRW, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-5, reflector, window, TEC	232,50	264,95
3.90 µm		
LED390NS-RW, 3.85-3.94 µm, FWHM 120-160 nm, QCW 15-22 µW, TO-18, reflector, window	375,00	427,34
4.05 µm		
LED41-SMD3020, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, SMD 3x2 mm	100,80	114,87
LED41, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-18, cap, no window	100,80	114,87
LED41-R, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-18, reflector, no window	112,00	127,63
LED41-RW, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-18, reflector, window	154,00	175,49
LED41-TW, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-5, cap, window, TEC	265,00	301,98
LED41-TRW, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-5, reflector, window, TEC	285,00	324,77
4.15 µm		
LED43-SMD3020, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, SMD 3x2 mm	53,20	60,62
LED43, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-18, cap, no window	53,20	60,62
LED43-R, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-18, reflector, no window	64,40	73,39
LED43-RW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-18, reflector, window	106,40	121,25
LED43-L, 4.10-4.30 µm, FWHM 600-1200 nm, QCW >80µW, TO-18, glass cover	58,80	67,01
LED43-TW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-5, cap, window, TEC	212,50	242,16
LED43-TRW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-5, reflector, window, TEC	232,50	264,95
4.30 µm		
LED430NS-RW, 4.25-4.35 µm, FWHM 150-240 nm, QCW 1.5-4 µW, TO-18, reflector, window	399,00	454,68
4.60 µm		
LED46, 4.40-4.66 µm, FWHM 800-1100 nm, QCW 4-12 µW, TO-18, cap, no window	95,20	108,49
LED46-R, 4.40-4.66 µm, FWHM 800-1100 nm, QCW 4-12 µW, TO-18, reflector, no window	100,80	114,87
LED46-RW, 4.40-4.66 µm, FWHM 800-1100 nm, QCW 4-12 µW, TO-18, reflector, window	106,40	121,25


LED465NS-RW, 4.61-4.70 μm , FWHM 150-240 nm, QCW 1.0-2.5 μW , TO-18, reflector, window	422,50	481,46
LED46-TW, 4.40-4.66 μm , FWHM 800-1100 nm, QCW 4-12 μW , TO-5, cap, window, TEC	142,50	162,39
LED46-TRW, 4.40-4.66 μm , FWHM 800-1100 nm, QCW 4-12 μW , TO-5, reflector, window, TEC	147,50	168,09
MID-IR LEDs WITH IMMERSION LENS	EUR	USD
 <p>Mid-IR LEDs</p> <ul style="list-style-type: none"> - with integrated immersion lens - pulse mode operation <p>package: TO-39</p>		
IR S-LED 4.70, peak 4.7 μm , >20 μW at 1A / 5 μs pulse, 500 Hz, +/-15°	172,92	197,05
IR S-LED 4.80, peak 4.8 μm , >20 μW at 1A / 5 μs pulse, 500 Hz, +/-15°	210,42	239,78
MID-IR LEDs OPTICAL PUMPED WITH IMMERSION LENS	EUR	USD
 <p>Optical pumped Mid-IR LEDs</p> <ul style="list-style-type: none"> - with integrated immersion lens - cw and pulse mode operation <p>package: TO-39</p>		
MIRO39-35-39CL, 3.9 μm , 0.25 mW at 1A/10 μs pulse, 20 μW at 50 mA, 35° FWHM	68,00	77,49
MID-IR LEDs Multi-Chip SINGLE OR MULTI-WAVELENGTH	EUR	USD
 <p>Multi-Chip Mid-IR LEDs</p> <ul style="list-style-type: none"> - single or multi-wavelength, 1 - 5 μm - QCW and pulse mode operation <p>options: parabolic reflector (R), window (W), thermoelectric cooler and thermoresistor (T)</p> <p>package: SMD, TO-18, TO-5</p>		
3.40 μm, 4 chips, single wavelength		
LED34M4, 3.30-3.49 μm , FWHM 400-600 nm, 90-160 μW QCW, TO-18, cap, window	246,40	280,79
LED34M4-R, 3.30-3.49 μm , FWHM 400-600 nm, 90-160 μW QCW, TO-18, reflector,	257,60	293,55
LED34M4-RW, 3.30-3.49 μm , FWHM 400-600 nm, 90-160 μW QCW, TO-18, reflector, window	280,00	319,08
LED34M4-TW, 3.30-3.49 μm , FWHM 400-600 nm, 90-160 μW QCW, TO-5, cap, window, TEC	470,40	536,05
LED34M4-TRW, 3.30-3.49 μm , FWHM 400-600 nm, 90-160 μW QCW, TO-5, reflector, , TEC	492,80	561,58
4.30 μm, 4 chips, single wavelength		
LED43M4, 4.10-4.30 μm , FWHM 700-1000 nm, 25-45 μW QCW, TO-18, cap, window	246,40	280,79
LED43M4-R, 4.10-4.30 μm , FWHM 700-1000 nm, 25-45 μW QCW, TO-18, reflector,	257,60	293,55
LED43M4-RW, 4.10-4.30 μm , FWHM 700-1000 nm, 25-45 μW QCW, TO-18, reflector, window	299,60	341,41
LED43M4-TW, 4.10-4.30 μm , FWHM 700-1000 nm, 25-45 μW QCW, TO-5, cap, window, TEC	470,40	536,05
LED43M4-TRW, 4.10-4.30 μm , FWHM 700-1000 nm, 25-45 μW QCW, TO-5, reflector, , TEC	492,80	561,58
2 chips, multi-wavelength, independent		
LED1915M2, 1.94 and 1.55 μm peak, 2 chips, independent, TO-18	221,20	252,07
LED2015M2, 2.06 and 1.55 μm peak, 2 chips, independent, TO-18	221,20	252,07
LED2315M2, 2.34 and 1.55 μm peak, 2 chips, independent, TO-18	226,80	258,45
LED3429M2, 3.34 and 2.9 μm peak, 2 chips, independent, TO-18	221,20	252,07
LED3629M2, 3.6 and 2.9 μm peak, 2 chips, independent, TO-18	221,20	252,07
LED3829M2, 3.8 and 2.9 μm peak, 2 chips, independent, TO-18	221,20	252,07
LED4337M2, 4.27 and 3.7 μm peak, 2 chips, independent, TO-18	226,80	258,45
LED4637M2, 4.67 and 3.7 μm peak, 2 chips, independent, TO-18	226,80	258,45
1.3 - 2.1 μm, 6 chips, multi-wavelength, independent		
LED13-21M6, 1.3-2.1 μm , 6 independent chips, pulse mode, TO-5, cap, window	580,00	660,94
LED13-21M6-TW, 1.3-2.1 μm , 6 independent chips, pulse mode, TO-5, cap, window, TEC	935,00	1.065,49
MID-IR EVALUATION KITS	EUR	USD
 <p>Mid-IR Evaluation Kits</p> <ul style="list-style-type: none"> - Kits for flexibility - Systems for precise experiments - Modules as miniature on-board sensor solution <p>other compositions on request</p>		

Evaluation Kits		
CH4-EVAL-KP, evaluation kit, CH4 detection, PCB-mdriver-P	527,10	600,66
CH4-EVAL-K41, evaluation kit, CH4 detection, PCB-driver-41	623,70	710,74
CH4-EVAL-K51 evaluation kit, CH4 detection, PCB-driver-51	640,50	729,89
CH4-EVAL-KLP, advanced evaluation kit, CH4 detection, PCB-mdriver-P	506,10	576,73
CH4-EVAL-KL41, advanced evaluation kit, CH4 detection, PCB-driver-41	602,70	686,81
CH4-EVAL-KL51, advanced evaluation kit, CH4 detection, PCB-driver-51	619,50	705,96
CO2-EVAL-KP, evaluation kit, CO2 detection, PCB-mdriver-P	527,10	600,66
CO2-EVAL-K41, evaluation kit, CO2 detection, PCB-driver-41	623,70	710,74
CO2-EVAL-K51, evaluation kit, CO2 detection, PCB-driver-51	640,50	729,89
CO2-EVAL-KLP, advanced evaluation kit, CO2 detection, PCB-mdriver-P	474,60	540,84
CO2-EVAL-KL41, advanced evaluation kit, CO2 detection, PCB-driver-41	571,20	650,92
CO2-EVAL-KL51, advanced evaluation kit, CO2 detection, PCB-driver-51	588,00	670,06
Evaluation Systems		
CH4-EVAL-SLP, CH4 detection, compact optical cell, PCB-mdriver-P	577,50	658,10
CH4-EVAL-SL41, CH4 detection, compact optical cell, PCB-driver-41	674,10	768,18
CH4-EVAL-SL51, CH4 detection, compact optical cell, PCB-driver-51	690,90	787,32
CO2-EVAL-SLP, CO2 detection, compact optical cell, PCB-mdriver-P	539,70	615,02
CO2-EVAL-SL41, CO2 detection, compact optical cell, PCB-driver-41	636,30	725,10
CO2-EVAL-SL51, CO2 detection, compact optical cell, PCB-driver-51	653,10	744,25
Sensor Modules		
CH4-EVAL-M, CH4 detection, compact optical cell and electronics on one board, ready to use	under development	
CO2-EVAL-M, CO2 detection, compact optical cell and electronics on one board, ready to use	under development	
MINI-SPECTROMETER	PORTABLE	
	<p>Mini-Spectrometer for spectral express analysis in the near infrared (IR) range from 1.3 to 2.4 μm.</p> <ul style="list-style-type: none"> - portable, compact size (60x42x42 mm) - reflectance-based analysis - multi-element LED matrix, wideband photodiode - USB, software control via Windows PC 	
SPECTRO-M, 1.3-2.4 μm , reflectance-based analysis, USB, Windows software	2.145,00	2.444,36
ACCESSORIES FOR MID-IR LEDs		
REFLECTORS FOR MID-IR LEDs	EUR	USD
Parabolic Reflector, aluminium reflector for TO-18 package	16,00	18,23
ELECTRONICS FOR MID-IR LEDs	EUR	USD
MINI DRIVER BOARDS FOR MID-IR LEDs, QCW and PULSED MODE, PCB		
	<p>Current pulse drivers for LEDs and Mid-IR LEDs</p> <ul style="list-style-type: none"> - open pcb type - fixed parameters - synchronization output <p>operating voltage: 5 VDC size: 12 x 24 mm</p>	
PCB-mdriver-QCW, QCW mode , 50% duty cycle, 500 μs on/off, $f = 1\text{kHz}$, current = 150 mA	73,50	83,76
PCB-mdriver-P, pulsed mode , 5 μs on / 495 μs off, $f = 2\text{kHz}$, current = 2 A	73,50	83,76
DRIVER BOARDS FOR MID-IR LEDs, PULSED MODE, PCB		
	<p>Current pulse drivers for LEDs and Mid-IR LEDs</p> <ul style="list-style-type: none"> - open pcb type - pulse mode operation, for max. peak optical power - adjustable parameters (amplitude, frequency, duration) - synchronization input <p>operating voltage: 12 VDC size: 80 x 70 x 15 mm</p>	
PCB-driver-41, pulsed mode, 4 current/frequency/duration value selectors, sync input	201,60	229,74
PCB-driver-51, pulsed mode, 4 current/frequency/duration values, sync input, temp. control	218,40	248,88
MULTI-CHANNEL DRIVER BOARD FOR MID-IR LEDs, PULSED MODE, PCB		

	<p>Multi-Channel pulse driver for LEDs and Mid-IR LEDs</p> <ul style="list-style-type: none"> - open pcb type - fixed pulsed mode (set to your needs) - each channel 0.4 A and 0.5 kHz <p>operating voltage: 12 VDC size: 105 x 70 x 15 mm</p>		
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PCB-driver-MC, multi-channel, up to 8 channels, PD input, synch. detector	598,50	682,03
PCB-driver-MCA, multi-channel, up to 8 channels, PD input & preamplifier , synch. detector	619,50	705,96

DRIVERS FOR MID-IR LEDs, QCW and PULSED MODE

	<p>Drivers for LEDs and Laser Diodes</p> <ul style="list-style-type: none"> - qcw mode for max. average optical power - pulsed mode for max. peak optiacl power 		
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D-11, qcw & pulsed driver for LEDs and LDs, adjustable operation mode	148,00	168,65
D-31M, qcw & pulsed driver for LEDs and LDs, adjustable current/pulse/rep. rate	216,30	246,49


DRIVERS FOR MID-IR LEDs, QCW and PULSED MODE with temperature controller

	<p>Drivers for LEDs and Laser Diodes</p> <ul style="list-style-type: none"> - with integrated thermocooler - qcw mode for max. average optical power - pulsed mode for max. peak optiacl power 		
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DLT-27, qcw & pulsed mode driver for LEDs and LDs with TEC	413,70	471,44
DLT-37, qcw & pulsed mode driver for LEDs and LDs with TEC, adj.current/pulse/rep. rate	426,30	485,79

FIBER-COUPLED LEDS


SINGLE WAVELENGTH LED FIBER-COUPLED

	<p>Fiber-Coupled LED, Single Wavelength</p> <p>available in the wavelength range from 375 to 1550 nm.</p> <ul style="list-style-type: none"> - compact size (head 64 x 46.5 x 30 mm) - adjustable output power - standard fiber: 600 µm, 0.22 NA - driver unit and power supply included <p>optional available: analog or TTL modulation</p>	EUR	USD
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LED375-3F0, 375 nm , 3.0 mW, fiber core 600 µm, SMA connector	452,00	515,08
LED400-5F0, 400 nm , 5.0 mW, fiber core 600 µm, SMA connector	830,00	945,83
LED405-4F2, 405 nm , 4.2 mW, fiber core 600 µm, SMA connector	528,00	601,69
LED435-4F5, 435 nm , 4.5 mW, fiber core 600 µm, SMA connector	605,00	689,43
LED460-6F0, 460 nm , 6.0 mW, fiber core 600 µm, SMA connector	605,00	689,43
LED470-3F2, 470 nm , 3.2 mW, fiber core 600 µm, SMA connector	605,00	689,43
LED500-2F2, 500 nm , 2.2 mW, fiber core 600 µm, SMA connector	605,00	689,43
LED520-2F5, 520 nm , 2.5 mW, fiber core 600 µm, SMA connector	605,00	689,43
LED565-3F0, 565 nm , 3.0 mW, fiber core 600 µm, SMA connector	634,00	722,48
LED600-1F2, 600 nm , 1.2 mW, fiber core 600 µm, SMA connector	605,00	689,43
LED620-5F5, 620 nm , 5.5 mW, fiber core 600 µm, SMA connector	605,00	689,43
LED660-4F0, 660 nm , 4.0 mW, fiber core 600 µm, SMA connector	605,00	689,43
LED730-1F5, 730 nm , 1.5 mW, fiber core 600 µm, SMA connector	605,00	689,43
LED808-2F5, 808 nm , 2.5 mW, fiber core 600 µm, SMA connector	650,00	740,71
LED850-3F0, 850 nm , 3.0 mW, fiber core 600 µm, SMA connector	680,00	774,90
LED880-1F0, 880 nm , 1.0 mW, fiber core 600 µm, SMA connector	650,00	740,71
LED940-2F0, 940 nm , 2.0 mW, fiber core 600 µm, SMA connector	680,00	774,90
LED1050-2F0, 1050 nm , 2.0 mW, fiber core 600 µm, SMA connector	680,00	774,90
LED1550-1F0, 1550 nm , 1.0 mW, fiber core 600 µm, SMA connector	830,00	945,83


MULTI-WAVELENGTH LED FIBER-COUPLED

	EUR	USD
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	<p>Fiber-Coupled LED, Multi-Wavelength contains multiple wavelengths, as required, in the range from 375 to 1550 nm.</p> <ul style="list-style-type: none"> - adjustable output power - fiber core size: 400, 600, 800 or 1000 μm - one-box-solution, power supply included <p>optional available: analog or TTL modulation</p>		
LED-MULTI-F, multi-wavelength, adjustable output, fiber-coupled, one-box		o.r.	o.r.

PHOTODIODES UV - GaN


Smart UVI Checker	EUR	USD
 <p>UVI Checker for directly measuring the UV radiation intensity of the Sun with your Smart phone</p> <ul style="list-style-type: none"> - works with Apple & Android phones - required app freely available - no battery required - real time measurement - UV index read out 	1-9 pcs.	1-9 pcs.
Smart UVI Checker, 240-370 nm , 0 - 10 UVI, size 10 x 30 mm (incl. Ear Jack: 47mm)	26,00	29,63
UV-PHOTODIODES GaN, AlGaN and InGaN	EUR	USD
 <p>UV-photodiodes based on GaN, AlGaN and InGaN are intrinsic visible blind due to high bandgap material, extreme irradiation hardness</p>	1-9 pcs.	1-9 pcs.
UV to Visible, 295 - 510 nm		
GVBL-S12SD, 345-450 nm , InGaN, chip size 0.4 mm, SMD 3528, silicone resin	2,45	2,79
GVBL-T12GD, 330-445 nm , InGaN, chip size 0.4 mm, TO-46, quartz window	9,45	10,77
GVGR-S11SD, 295-490 nm , InGaN, chip size 0.4 mm, SMD 3528, silicone resin	9,45	10,77
GVGR-T10GD, 300-510 nm , InGaN, chip size 0.4 mm, TO-46, quartz window	9,45	10,77
UV Broadband, 230 - 395 nm		
GUVV-S10SD, 240-395 nm , InGaN, chip size 0.4 mm, SMD 3528, silicone resin	3,90	4,44
GUVV-T10GD, 230-395 nm , InGaN, chip size 0.4 mm, TO-46, quartz window	15,20	17,32
GUVV-T10GD-L, 230-395 nm , InGaN, chip size 1.4 mm, TO-46, quartz window	20,25	23,08
GUVV-T20GD-U, 230-395 nm , InGaN, chip size 3.4 mm, TO-39, quartz window	63,30	72,13
UVA, 200 - 370 nm		
GUVA-S12SD, 240-370 nm , GaN, chip size 0.4 mm, SMD 3528, silicone resin	4,10	4,67
GUVA-C22SD, 240-370 nm , GaN, chip size 0.4 mm, COB 2418, Si encapsulant	3,30	3,76
GUVA-C32SM, digital UVA Sensor , chip size 0.23 mm, I2C, 2.6-3.6 V, COB 2.0x2.3x1.4 mm	4,05	4,62
GUVA-T11GD, 220-370 nm , GaN, chip size 0.4 mm, TO-46, quartz window	9,80	11,17
GUVA-T11GD-L, 220-370 nm , GaN, chip size 1.4 mm, TO-46, quartz window	14,85	16,92
GUVA-T21GD-U, 220-370 nm , GaN, chip size 3.4 mm, TO-39, quartz window	37,80	43,08
UVB, 220 - 320 nm		
GUVB-S11SD, 240-320 nm , AlGaN, chip size 0.4 mm, SMD 3528, silicone resin	3,80	4,33
GUVB-S31GD, 220-320 nm , AlGaN, chip size 0.4 mm, SMD 3535, silicone resin	6,30	7,18
GUVB-C31SM, digital UVB Sensor , chip size 0.23 mm, I2C, 2.6-3.6 V, COB 2.0x2.3x1.4 mm	4,05	4,62
GUVB-T11GD, 220-320 nm , AlGaN, chip size 0.4 mm, TO-46, quartz window	14,60	16,64
GUVB-T11GD-L, 220-320 nm , AlGaN, chip size 1.4 mm, TO-46, quartz window	21,15	24,10
GUVB-T21GD-U, 220-320 nm , AlGaN, chip size 3.4 mm, TO-39, quartz window	66,90	76,24
UVC, 220 - 280 nm		
GUVV-S10GD, 220-280 nm , AlGaN, chip size 0.4 mm, SMD 3535	5,40	6,15
GUVV-T10GD, 220-280 nm , AlGaN, chip size 0.4 mm, TO-46, quartz window	15,30	17,44
GUVV-T10GD-L, 220-280 nm , AlGaN, chip size 1.4 mm, TO-46, quartz window	21,83	24,88
GUVV-T20GD-U, 220-280 nm , AlGaN, chip size 3.4 mm, TO-39, quartz window	65,40	74,53
UV-SENSOR MODULES GaN	EUR	USD

 <p>UV Sensor Modules based on GaN Single supply voltage 0-5VDC output voltage</p>		
	1-9 pcs.	1-9 pcs.
GUVA-T11GM-LA, UV sensor module, 220-370 nm, basic, 28x17x9mm ³	63,80	72,70
GUVB-T11GM-LA, UV sensor module, 220-320 nm, basic, 28x17x9mm ³	63,80	72,70
GUVV-T11GM-LA, UV sensor module, 220-280 nm, basic, 28x17x9mm ³	63,80	72,70

PD UV - GaN - integrated TIA

UV-PHOTODIODE GaN, AlGaIn and InGaIn with TIA	EUR	USD
 <p>UV-photodiode based on GaN, AlGaIn and InGaIn with integrated transimpedance amplifier for ultra low level UV radiation detection peak response: 280 nm, 320 nm, 370 nm, 395 nm</p>		
	1-9 pcs.	1-9 pcs.
GUVV-T21GH, 220-280 nm , AlGaIn, chip size 0.4 mm, integrated TI ampl., TO-5, quartz window	28,20	32,14
GUVB-T21GH, 220-320 nm , AlGaIn, chip size 0.4 mm, integrated TI ampl., TO-5, quartz window	28,20	32,14
GUVA-T21GH, 220-370 nm , GaN, chip size 0.4 mm, integrated TI ampl., TO-5, quartz window	21,75	24,79
GUVV-T21GH, 230-395 nm , InGaIn, chip size 0.4 mm, integrated TI ampl., TO-5, quartz window	39,60	45,13


PD UV - SiC

UV-PHOTODIODES SiC	EUR	USD
 <p>Silicon Carbide Photodiodes offering high visible blindness, low dark current, high speed, and low noise</p> <ul style="list-style-type: none"> - operating temp. range -55 ...170°C - visible blindness >10¹⁰ - UVA, -B, -C, and UV broadband version avail. - Erythem versions for measuring UV-index (UVI) avail. 		
	1-9 pcs.	1-9 pcs.

UV Broadband, 215 - 365 nm		
SIC01S-18, 215-365 nm , peak 285 nm, Ø 0.06 mm ² , TO-18, UV-broadband	25,00	28,49
SIC01S-18ISO90, 215-365 nm , peak 285 nm, Ø 0.06 mm ² , TO-18, both pins isolated	41,80	47,63
SIC01M-18, 215-365 nm , peak 285 nm, Ø 0.2 mm ² , TO-18, UV-broadband	60,80	69,29
SIC01M-18ISO90, 215-365 nm , peak 285 nm, Ø 0.2 mm ² , TO-18, both pins isolated	70,30	80,11
SIC01M-5LENS, 220-360 nm , peak 288 nm, Ø 0.2 mm ² , TO-5, flame detection (EN298)	81,70	93,10
SIC01D-18, 215-365 nm , peak 285 nm, Ø 0.5 mm ² , TO-18, UV-broadband	60,80	69,29
SIC01L-18, 210-380 nm , peak 285 nm, Ø 1.0 mm ² , TO-18, UV-broadband	136,80	155,89
SIC01L-18ISO90, 210-380 nm , peak 285 nm, Ø 1.0 mm ² , TO-18, both pins isolated	155,80	177,54
SIC01L-5, 210-380 nm , peak 285 nm, Ø 1.0 mm ² , TO-5, UV-broadband	136,80	155,89
SIC01XL-5, 215-365 nm , peak 285 nm, Ø 7.6 mm ² , TO-5, UV-broadband	502,20	572,29
SIC01XL-5ISO90, 215-365 nm , peak 285 nm, Ø 7.6 mm ² , TO-5, both pins isolated	502,20	572,29
UVA, 310 - 370 nm		
SIC01S-A18, 310-370 nm , peak 335 nm, Ø 0.06 mm ² , TO-18, UVA	53,20	60,62
SIC01M-A18, 310-370 nm , peak 335 nm, Ø 0.2 mm ² , TO-18, UVA	102,60	116,92
SIC01D-A18, 310-370 nm , peak 335 nm, Ø 0.5 mm ² , TO-18, UVA	102,60	116,92
SIC01L-A5, 310-370 nm , peak 335 nm, Ø 1.0 mm ² , TO-5, UVA	180,50	205,69
SIC01XL-A5, 210-370 nm , peak 335 nm, Ø 7.6 mm ² , TO-5, UVA	550,80	627,67
UVB, 230 - 315 nm		
SIC01S-B18, 230-315 nm , peak 280 nm, Ø 0.06 mm ² , TO-18, UVB	53,20	60,62
SIC01M-B18, 230-315 nm , peak 280 nm, Ø 0.2 mm ² , TO-18, UVB	102,60	116,92
SIC01D-B18, 230-315 nm , peak 280 nm, Ø 0.5 mm ² , TO-18, UVB	102,60	116,92
SIC01L-B5, 230-315 nm , peak 280 nm, Ø 1.0 mm ² , TO-5, UVB	180,50	205,69
SIC01XL-B5, 230-315 nm , peak 280 nm, Ø 7.6 mm ² , TO-5, UVB	550,80	627,67
UVC, 230 - 285 nm		
SIC01S-C18, 230-285 nm , peak 270 nm, Ø 0.06 mm ² , TO-18, UVC	53,20	60,62
SIC01M-C5, 230-285 nm , peak 270 nm, Ø 0.2 mm ² , TO-5, UVC	110,20	125,58

SIC01D-C18, 230-285 nm , peak 270 nm, Ø 0.5 mm ² , TO-18, UVC	102,60	116,92
SIC01L-C5, 230-285 nm , peak 270 nm, Ø 1.0 mm ² , TO-5, UVC	180,50	205,69
SIC01XL-C5, 230-285 nm , peak 270 nm, Ø 7.6 mm ² , TO-5, UVC	550,80	627,67
UV-Index (DIN5050 / CIE087)		
SIC01M-E18, Erythem , 0.5nA/UVI, Ø 0.2 mm ² , TO-18, UV-Index (DIN5050/CIE087)	117,80	134,24
SIC01D-E18, Erythem , 0.5nA/UVI, Ø 0.5 mm ² , TO-18, UV-Index (DIN5050/CIE087)	117,80	134,24
SIC01L-E5, Erythem , 2 nA/UVI, Ø 1.0 mm ² , TO-5, UV-Index (DIN5050/CIE087)	203,30	231,67
SIC01XL-E5, Erythem , 2 nA/UVI, Ø 7.6 mm ² , TO-5, UV-Index (DIN5050/CIE087)	567,00	646,13

PD UV - SiC - integrated TIA

UV-PHOTODIODE SiC with TIA	EUR	USD
 <p>Silicon Carbide pre-amplified UV photodetector</p> <ul style="list-style-type: none"> - integrated transimpedance amplifier - 0...5V stable output voltage - no external amplifier required - TO-5 metal can housing 	1-9 pcs.	1-9 pcs.

UV Broadband, 215 - 365 nm	EUR	USD
UV-TIAMO-BL, 210-380 nm , <18 nW/cm ² , chip size 0.2 mm ² , ball lens --> flame detection	165,00	188,03
UV-TIAMO-BL2, 210-380 nm , <180 nW/cm ² , chip size 0.2 mm ² , ball lens	165,00	188,03
UV-TIAMO-S3, 210-380 nm , <1,8 µW/cm ² , chip size 0.2 mm ² , flat window with diffusor	165,00	188,03
UV-TIAMO, 210-380 nm , <18 µW/cm ² , chip size 0.2 mm ² , flat window with diffusor	165,00	188,03
UV-TIAMO-S5, 210-380 nm , <180 µW/cm ² , chip size 0.2 mm ² , flat window with diffusor	165,00	188,03
UV-TIAMO-S6, 210-380 nm , <1,8 mW/cm ² , chip size 0.2 mm ² , flat window with diffusor	165,00	188,03
UV-TIAMO-S7, 210-380 nm , <18 mW/cm ² , chip size 0.2 mm ² , flat window with attenuator	165,00	188,03
UV-TIAMO-M8, 210-380 nm , <180 mW/cm ² , chip size 0.2 mm ² , flat window with attenuator	165,00	188,03
UV-TIAMO-M9, 210-380 nm , <1,8 W/cm ² , chip size 0.2 mm ² , flat window with attenuator	165,00	188,03
UV-TIAMO-M10, 210-380 nm , <18 W/cm ² , chip size 0.2 mm ² , flat window with attenuator	165,00	188,03

UVA, 310 - 370 nm	EUR	USD
UV-TIAMO-BLA, 309-367 nm , <18 µW/cm ² , chip size 0.2 mm ² , ball lens	165,00	188,03
UV-TIAMO-A5, 309-367 nm , <180 µW/cm ² , chip size 0.2 mm ² , flat window with diffusor	165,00	188,03
UV-TIAMO-A6, 309-367 nm , <1,8 mW/cm ² , chip size 0.2 mm ² , flat window with diffusor	165,00	188,03
UV-TIAMO-A7, 309-367 nm , <18 mW/cm ² , chip size 0.2 mm ² , flat window with attenuator	165,00	188,03
UV-TIAMO-A8, 309-367 nm , <180 mW/cm ² , chip size 0.2 mm ² , flat window with attenuator	165,00	188,03
UV-TIAMO-A9, 309-367 nm , <1.0 W/cm ² , chip size 0.2 mm ² , flat window with attenuator	165,00	188,03




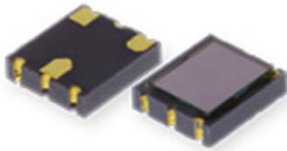
UVB, 243 - 303 nm	EUR	USD
UV-TIAMO-B4, 243-303 nm , <7.5 µW/cm ² , chip size 0.2 mm ² , flat window with diffusor	165,00	188,03
UV-TIAMO-B5, 243-303 nm , <75 µW/cm ² , chip size 0.2 mm ² , flat window with diffusor	165,00	188,03
UV-TIAMO-B6, 243-303 nm , <0.75 mW/cm ² , chip size 0.2 mm ² , flat window with diffusor	165,00	188,03



UVC, 225 - 287 nm	EUR	USD
UV-TIAMO-C1, 225-287 nm , <135 nW/cm ² , chip size 0.2 mm ² , flat window	165,00	188,03
UV-TIAMO-BLC2, 225-287 nm , <180 nW/cm ² , chip size 0.2 mm ² , ball lens	165,00	188,03
UV-TIAMO-BLC3, 225-287 nm , <1.8 µW/cm ² , chip size 0.2 mm ² , ball lens	165,00	188,03
UV-TIAMO-C4, 225-287 nm , <18 µW/cm ² , chip size 0.2 mm ² , flat window with diffusor	165,00	188,03
UV-TIAMO-C5, 225-287 nm , <180 µW/cm ² , chip size 0.2 mm ² , flat window with diffusor	165,00	188,03
UV-TIAMO-C6, 225-287 nm , <1.8 mW/cm ² , chip size 0.2 mm ² , flat window with diffusor	165,00	188,03
UV-TIAMO-C7, 225-287 nm , <18 mW/cm ² , chip size 0.2 mm ² , flat window with attenuator	165,00	188,03
UV-TIAMO-C8, 225-287 nm , <180 mW/cm ² , chip size 0.2 mm ² , flat window with attenuator	165,00	188,03
UV-TIAMO-C9, 225-287 nm , <1.8 W/cm ² , chip size 0.2 mm ² , flat window with attenuator	165,00	188,03

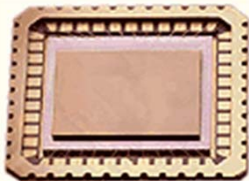



UV-Index (DIN5050 / CIE087)	EUR	USD
UV-TIAMO-E1, 300-400nm , <3 UVI, flat window, --> UV-Index (CIE087)	165,00	188,03
UV-TIAMO-E2, 300-400nm , <30 UVI, flat window, --> UV-Index (CIE087)	165,00	188,03

PD UV - GaP


UV-PHOTODIODES GaP	EUR	USD
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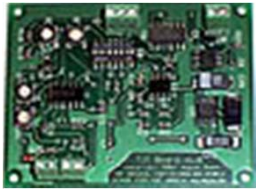
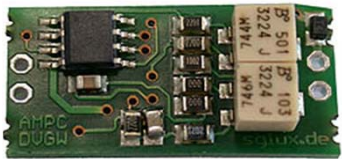
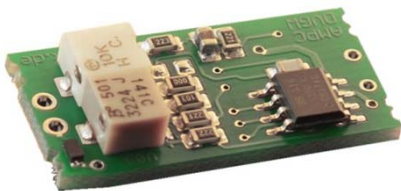


	UV-photodiodes based on GaP		
		1-9 pcs.	1-9 pcs.
190 - 550 nm			
EPD-440-0/0.9, 190-550 nm , active area 0.51 mm ² , TO-46		38,60	43,99
EPD-440-0/1.4, 190-550 nm , active area 1.2 mm ² , TO-46		58,00	66,09
EPD-440-0/2.5, 190-550 nm , active area 4.8 mm ² , TO-39		74,78	85,22
220 - 380 nm			
EPD-280-0-0.3-1, 220-380 nm , active area 0.056 mm ² , TO-46		89,00	101,42
245 - 405 nm			
EPD-365-0/0.9, 245-405 nm , active area 0.51 mm ² , UG11 filter, TO-46		52,70	60,05
EPD-365-0/1.4, 245-405 nm , active area 1.2 mm ² , UG11 filter, TO-46		59,00	67,23
EPD-365-0/2.5, 245-405 nm , active area 4.8 mm ² , UG11filter, TO-39		104,27	118,82
PD - Si			
PHOTODIODES SILICONE		EUR	USD
	Silicone PIN photodiodes featuring excellent responsivity and high photocurrent. Range of Sensivity: 400-1100nm, peak@900nm Different packages: TO46, TO39, 3mm, 5mm, SMD RoHS compliant		
		1-9 pcs.	1-9 pcs.
SPD19-33, active area 0.2 mm ² , 6 pF, Id: 10nA, tr,ff: 6 ns, 3 mm epoxy package		1,33	1,52
SPD19-C, active area 0.2 mm ² , 6pF, Id:10nA, ceramic SMD 3.0 x 2.0 x 1.1 mm ³		2,52	2,87
SPD64-02, active area 0.64 mm ² , 6 pF, Id: 10nA, tr,ff: 10 ns, 5 mm epoxy package, +/- 14°		1,92	2,19
SPD64-04, active area 0.64 mm ² , 6 pF, Id: 10nA, tr,ff: 10 ns, 5 mm epoxy package, +/- 45°		1,48	1,69
SPD64-04B, active area 0.64 mm ² , 6 pF, Id: 10nA, tr,ff: 10 ns, visible light cutoff		1,77	2,02
SPD17-0F, active area 1,69 mm ² , 6 pF, Id: 10nA, tr,ff: 10 ns, T046 epoxy resin		2,30	2,62
SPD400-0F, active area 4 mm ² , 18 pF, Id: 5 nA, TO46 with epoxy resin, tr, ff: 45 ns		3,49	3,98
PD - Si - integrated TIA			
SI PHOTODIODES WITH INTEGRATED TRANSIMPEDANCE AMPLIFIER		EUR	USD
	PIN silicon photodiodes with low noise JFET TI amplifier, integrated feedback resistor and capacitor, hermetical TO5 package with collimating glass lens, very low offset and drift parameters, dual supply voltage +/-5V up to +/-18V, operating temp.: -25° .. +85°C, RoHS and WEEE conformity		
		1-9 pcs.	1-9 pcs.
IQ800L, active area 4.8mm ² , transimpedance 100 MOhm, 35 us, 10 kHz, +/- 50 degree		93,00	105,98
IQ801L, active area 4.8mm ² , transimpedance 10 MOhm, 15 us, 25 kHz, +/- 50 degree		93,00	105,98
IQ802L, active area 4.8mm ² , transimpedance 1 MOhm, 3 us, 120 kHz, +/- 50 degree		93,00	105,98
PD Avalanche - Si			
AVALANCHE PHOTODIODES SILICON		EUR	USD
	Silicon Avalanche Photodiode in SMD package and TO52 can for Range Finding Application, LIDAR - small package: 3.8x3.8x1.3mm ² - High sensitivity - high gain at low bias - fast response time, low noise - 905nm narrowband filter		
		1-9 pcs.	1-9 pcs.
APD230-SMD, active area diameter 0.23 mm, tr,tf: 0.25ns, 1.5pF, 3030 SMD package		19,80	22,56
APD500-LCC, active area diameter 0.5 mm, tr,tf: 0.6ns, 1.2pF, LCC6 package		24,30	29,13
APD500-TO52, active area diameter 0.5 mm, tr,tf: 0.6ns, 1.2pF, TO52 package		33,10	39,68
APD500-TO52F, active area diameter 0.5 mm, tr,tf: 0.6ns, 1.2pF, TO52 package		39,00	44,44
PHOTO TRANSISTORS SILICON		EUR	USD

SPT36-05, chip size 0.8 x 0.8 mm ² , 5 mm epoxy, flat, photo current typ. 4 mA, +/-40°	2,65	3,02
SPT36-33, chip size 0.8 x 0.8 mm ² , 3 mm epoxy, photo current typ. 7 mA, +/-25°	2,65	3,02
SPT64-33, chip size 1.0 x 1.0 mm ² , 3 mm epoxy, photo current typ. 10 mA, +/-25°	1,77	2,02
PD Selective - Si		
SELECTIVE PHOTODIODES	EUR	USD
 <p>wavelength selective photodiodes based on GaP, no interference filter or color glass filter used, photodiodes are intrinsic wavelength selective</p>	1-9 pcs.	1-9 pcs.
BLUE		
EPD-470-3-0.5, 385-565 nm , active area 0.17 mm ² , 3 mm epoxy	12,90	14,70
EPD-470-5-0.5, 385-565 nm , active area 0.17 mm ² , 5 mm epoxy	12,90	14,70
EPD-470-1-0.9, 385-565 nm , active area 0.62 mm ² , SMD 1206	16,09	18,34
GREEN		
EPD-525-5-0.5, 410-580 nm , active area 0.17 mm ² , 5 mm epoxy	4,50	5,13
EPD-525-1-0.9, 410-580 nm , active area 0.62 mm ² , SMD 1206	7,00	7,98
EPD-525-0-2.5, 470-570 nm , peak at 525 nm, active area 5.8 mm ² , TO-39	79,90	91,05
RED		
EPD-660-3-0.9, 605-705 nm , active area 0.62 mm ² , 3 mm epoxy	12,51	14,26
EPD-660-5-0.9, 605-705 nm , active area 0.62 mm ² , 5 mm epoxy	12,51	14,26
EPD-660-1-0.9, 605-705 nm , active area 0.62 mm ² , SMD 1206	28,10	32,02
IR		
EPD-880-5-0.5, 800 - 960 nm , active area 0.17 mm ² , 5 mm epoxy	7,00	7,98
EPD-880-5-0.9, 800-960 nm , active area 0.62 mm ² , 5 mm epoxy	7,00	7,98
EPD-880-1-0.9, 800-960 nm , active area 0.62 mm ² , SMD 1206	7,00	7,98
EPD-880-0-1.4, 800 - 960 nm , active area 1.76 mm ² , TO-18	13,89	15,83
MID-IR		
EPD-1300-3-0.2, 800-1750 nm , active area 0.032 mm ² , 3 mm epoxy	18,90	21,54
EPD-1300-0-3.0, 800-1700 nm , active area 7 mm ² , TO-39	225,00	256,40
PD - InGaAs		
GaAs, InGaAs, InAsP PHOTODIODES	EUR	USD
 <p>InGaAs, GaAs and InAsP photodiodes diverse packages chip die available on request</p>	1-9 pcs.	1-9 pcs.
0.9 - 1.7 µm		
IPD14-12-5T-2, InGaAs PIN, 0.12 mm ² , 1.0 - 1.6 µm, TO-18, tr:10ns, tf:5ns	15,46	17,62
PT409, InGaAs PIN, 1.0 - 1.65 µm, Ø75 µm area, 3dBm, TO-46, flat window	17,20	19,60
PT410, InGaAs PIN, 1.0 - 1.65 µm, Ø75 µm area, 10dBm, TO-46, flat window	22,90	26,10
PT511-2, InGaAs PIN 1.0 - 1.65 µm, Ø300 µm area, 10dBm, TO-46, flat window	15,30	17,44
PT511B, InGaAs PIN 1.0 - 1.65 µm, Ø300 µm area, 10dBm, TO-46, ball lens	o.r.	o.r.
PT512, InGaAs PIN 1.0 - 1.65 µm, Ø300 µm area, 20dBm, TO-46, flat window	25,90	29,51
PT512B, InGaAs PIN 1.0 - 1.65 µm, Ø300 µm area, 20dBm, TO-46, ball lens	25,90	29,51
LAPD-1-09-17-TO46, InGaAs PIN, 0.9 - 1.7 µm, 1 mm Ø round sensor area, TO-46	46,00	52,42
LAPD-1-09-17-LCC, InGaAs PIN, 0.9 - 1.7 µm, 1 mm Ø round sensor area, 6LCC	46,00	52,42
PT611, InGaAs PIN 1.0 - 1.65 µm, Ø1 mm area, 10dBm, TO-46, flat window	81,00	92,30
LAPD-2-09-17-TO39, InGaAs PIN, 0.9 - 1.7 µm, 2 mm Ø round sensor area, TO-39	152,00	173,21
LAPD-2-09-17-LCC, InGaAs, 0.9 - 1.7 µm, 2 mm Ø round sensor area, 8LCC	152,00	173,21
PT711, InGaAs PIN 1.0 - 1.65 µm, Ø2 mm area, 10dBm, TO-5, ball lens	245,00	279,19
LAPD-3-09-17-TO39, InGaAs PIN, 0.9 - 1.7 µm, 3 mm Ø round sensor area, TO-39	425,00	484,31
LAPD-3-09-17-LCC, InGaAs, 0.9 - 1.7 µm, 3 mm Ø round sensor area, 8LCC	425,00	484,31
PT811-2, InGaAs PIN 1.0 - 1.65 µm, Ø3 mm area, 10dBm, TO-5, ball lens	o.r.	o.r.
0.6 - 1.7 µm		

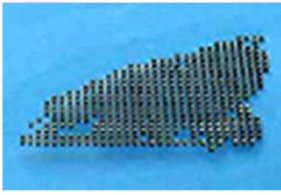
LAPD-1-06-17-TO46, InGaAs PIN, 0.6 - 1.7 μm , 1 mm \varnothing round sensor area, TO-46	59,90	68,26
LAPD-1-06-17-LCC, InGaAs PIN, 0.6 - 1.7 μm , 1 mm \varnothing round sensor area, 6LCC	59,90	68,26
LAPD-2-06-17-TO39, InGaAs PIN, 0.6 - 1.7 μm , 2 mm \varnothing round sensor area, TO-39	197,00	224,49
LAPD-2-06-17-LCC, InGaAs PIN, 0.6 - 1.7 μm , 2 mm \varnothing round sensor area, 8LCC	197,00	224,49
PT521, InGaAs PIN 0.5 - 1.65 μm , \varnothing 300 μm area, 10dBm, TO-46, flat window	o.f.	o.f.
InGaAs PIN PHOTODIODES with FC connector	EUR	USD
PF511, 1.0 - 1.65 μm , \varnothing 300 μm area, 10 dBm, GRIN lens, FC connector	o.f.	o.f.
PF512, 1.0 - 1.65 μm , \varnothing 300 μm area, 20 dBm, ball lens, FC connector	93,45	106,49
PF513, 1.0 - 1.65 μm , \varnothing 300 μm area, 30 dBm, GRIN lens, FC connector	95,24	108,53
PF521, 0.5 - 1.7 μm , \varnothing 300 μm area, 10 dBm, GRIN lens, FC connector	75,13	85,62
PF611, 1.0 - 1.65 μm , \varnothing 1 mm area, 10 dBm, GRIN lens, FC connector	o.f.	o.f.
PF711, 1.0 - 1.65 μm , \varnothing 2 mm area, 10 dBm, FC connector	o.f.	o.f.
PF811-2, 1.0 - 1.65 μm , \varnothing 3 mm area, 10 dBm, FC connector	o.f.	o.f.
FIBERCOUPLED InGaAs PIN PHOTODIODES	EUR	USD
PD-1375-ip, InGaAs PIN, 1100-1600 nm, sm, FC	249,80	284,66
PD - InGaAs FOCAL PLANE ARRAYS		
FOCAL PLANE InGaAs ARRAYS	EUR	USD
 <p>two-dimensional InGaAs array 320 x 256 pixels, high sensitivity in the near infrared, extremely low noise, high dynamic range, room temperature operation, wavelength range 900 - 1700 nm, pixel width: 30 μm, responsivity 0.8 A/W, quantum efficiency >70%</p>	1-4 pcs.	1-4 pcs.
FPA320x256-980, InGaAs, 320x256, 10 MHz, 0.9-1.7 μm , LCC, ARC wind., 98% oper.	6.117,00	6.970,69
FPA320x256-990, InGaAs, 320x256, 10 MHz, 0.9-1.7 μm , LCC, ARC wind., 99% oper.	8.667,00	9.876,57
FPA320x256-999, InGaAs, 320x256, 10 MHz, 0.9-1.7 μm , LCC, ARC wind., 99.9% oper.	9.177,00	10.457,74
FPA320x256-100, InGaAs, 320x256, 10 MHz, 0.9-1.7 μm , LCC, ARC wind., >99.95% oper.	10.196,00	11.618,95
PD - MID IR		
MID-IR PHOTORESISTORS TO-5	EUR	USD
 <p>Mid-IR photoresistors in TO-5 package, operates in photoconductivity mode at bias voltage chip die available on request</p>	1-5 pcs.	1-5 pcs.
PR43, Photoresistor, 1.0 - 4.4 μm , tr,tf: 5 μs , 500-1500 V/W, 2.0 x 2.0 mm ² , TO-5	134,40	153,16
MID-IR PHOTODIODES TO-39 PACKAGE WITH IMMERSION LENS	EUR	USD
 <p>Mid-IR photodiodes in TO-39 package with integrated Si or CdSb immersion lens</p>	1-5 pcs.	1-5 pcs.
IR-PD 3.0, 3.0-3.2 μm , 0.2 A/W, InAs, TO-39 with 3.5 mm immersion lens	210,83	240,26
STANDARD MID-IR PDs 1 - 5 μm	EUR	USD
 <p>Standard Mid-IR PDs - wavelength range: 1 - 5 μm - sensitive areas: 0.3, 0.5 or 1.0 mm options: parabolic reflector (R), window (W), thermoelectric cooler and thermoresistor (T), narrow spectrum (NS) package: TO-18, TO-5, TO-8</p>		
PD24-03 series		
PD24-03SMD3020, 1.1-2.43 μm , 0.3 mm, 0.9-1.1 A/W, 30-60 μA , SMD 3x2 mm	89,60	102,10
PD24-03, 1.1-2.43 μm , 0.3 mm, 0.9-1.1 A/W, 30-60 μA , TO-18	89,60	102,10
PD24-03R, 1.1-2.43 μm , 0.3 mm, 0.9-1.1 A/W, 30-60 μA , TO-18, reflector	100,80	114,87
PD24-03RW, 1.1-2.43 μm , 0.3 mm, 0.9-1.1 A/W, 30-60 μA , TO-18, reflector, window	123,20	140,39

PD24-03TW, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30-60 µA, TO-5, TEC, window	252,50	287,74
PD24-03TRW, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30-60 µA, TO-5, TEC, reflector, window	272,50	310,53
PD25-05 series		
PD25-05, 1.0-2.5 µm, 0.5 mm, 1.0-1.3 A/W, 4-7 µA, TO-18	257,60	293,55
PD25-05R, 1.0-2.5 µm, 0.5 mm, 1.0-1.3 A/W, 4-7 µA, TO-18, reflector	268,80	306,31
PD25-05RW, 1.0-2.5 µm, 0.5 mm, 1.0-1.3 A/W, 4-7 µA, TO-18, reflector, window	291,20	331,84
PD25-05TW, 1.0-2.5 µm, 0.5 mm, 1.0-1.3 A/W, 4-7 µA, TO-5, TEC, window	432,50	492,86
PD25-05TRW, 1.0-2.5 µm, 0.5 mm, 1.0-1.3 A/W, 4-7 µA, TO-5, TEC, reflector, window	452,50	515,65
PD25-10 series		
PD25-10, 1.0-2.5 µm, 1 mm, 1.0-1.1 A/W, 15-22 µA, TO-18	389,20	443,52
PD25-10R, 1.0-2.5 µm, 1 mm, 1.0-1.1 A/W, 15-22 µA, TO-18, reflector	400,40	456,28
PD25-10RW, 1.0-2.5 µm, 1 mm, 1.0-1.1 A/W, 15-22 µA, TO-18, reflector, window	422,80	481,81
PD25-10TW, 1.0-2.5 µm, 1 mm, 1.0-1.1 A/W, 15-22 µA, TO-5, TEC, window	572,50	652,40
PD25-10TRW, 1.0-2.5 µm, 1 mm, 1.0-1.1 A/W, 15-22 µA, TO-5, TEC, reflector, window	592,50	675,19
PD36-03 series		
PD36-03SMD3020, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, SMD 3x2 mm	78,40	89,34
PD36-03, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-18	78,40	89,34
PD36-03R, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-18, reflector	89,60	102,10
PD36-03RW, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-18, reflector, window	112,00	127,63
PD36-03L, 2.0-3.8 µm, 0.3 mm, 250-300 pF, 80-300 µA, TO-18, glass cover	86,80	98,91
PD36-03TW, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-5, TEC, window	240,00	273,49
PD36-03TRW, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-5, TEC, reflector, window	260,00	296,29
PD36-05 series		
PD36-05SMD3838, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, SMD 3.8x3.8 mm	128,80	146,78
PD36-05, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-18	128,80	146,78
PD36-05R, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-18, reflector	140,00	159,54
PD36-05RW, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-18, reflector, window	162,40	185,06
PD36-05L, 2.0-3.6 µm, 0.5 mm, 600-1100 pF, 120-1000 µA, TO-18, glass cover	140,00	159,54
PD36-05TW, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-5, TEC, window	295,00	336,17
PD36-05TRW, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-5, TEC, reflector, window	315,00	358,96
PD40-05 series		
PD40-05SMD3838, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, SMD 3.8x3.8 mm	151,20	172,30
PD40-05, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, TO-18	151,20	172,30
PD40-05R, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, TO-18, reflector	162,40	185,06
PD40-05RW, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, TO-18, reflector, window	204,40	232,93
PD40-05L, 2.3-4.1 µm, 0.5 mm, 1.2 mA, TO-18, glass cover	168,00	191,45
PD40-05TW, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, TO-5, TEC, window	317,50	361,81
PD40-05TRW, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, TO-5, TEC, reflector, window	337,50	384,60
PD41-03 series		
PD41-03SMD3020, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, SMD 3x2 mm	89,60	102,10
PD41-03, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-18	89,60	102,10
PD41-03R, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-18, reflector	100,80	114,87
PD41-03RW, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-18, reflector, window	142,80	162,73
PD41-03TW, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-5, TEC, window	252,50	287,74
PD41-03TRW, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-5, TEC, reflector, window	272,50	310,53
PD41-05 series		
PD41-05SMD3838, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, SMD 3.8x3.8 mm	151,20	172,30
PD41-05, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-18	151,20	172,30
PD41-05R, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-18, reflector	162,40	185,06
PD41-05RW, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-18, reflector, window	204,40	232,93
PD41-05TW, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-5, TEC, window	317,50	361,81
PD41-05TRW, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-5, TEC, reflector, window	337,50	384,60
PD43-03 series		
PD43-03SMD3020, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, SMD 3x2 mm	89,60	102,10
PD43-03, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-18	89,60	102,10
PD43-03R, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-18, reflector	100,80	114,87
PD43-03RW, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-18, reflector, window	142,80	162,73
PD43-03L, 3.6-4.6 µm, 0.3 mm, 4-6 mA, TO-18, glass cover	98,00	111,68
PD43-03TW, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-5, TEC, window	252,50	287,74
PD43-03TRW, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-5, TEC, reflector, window	272,50	310,53
PD43-05 series		


PD43-05SMD3838, 2.8-4.7 μm , 0.5 mm, 0.9-1.0 A/W, 15-25 mA, SMD 3.8x3.8 mm	151,20	172,30
PD43-05, 2.8-4.7 μm , 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-18	151,20	172,30
PD43-05R, 2.8-4.7 μm , 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-18, reflector	162,40	185,06
PD43-05RW, 2.8-4.7 μm , 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-18, reflector, window	204,40	232,93
PD43-05L, 2.6-4.6 μm , 0.5 mm, 15-25 mA, TO-18, glass cover	168,00	191,45
PD43-05TW, 2.8-4.7 μm , 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-5, TEC, window	317,50	361,81
PD43-05TRW, 2.8-4.7 μm , 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-5, TEC, reflector, window	337,50	384,60
PD49-05 series		
PD49-05SMD3838, 2.8-4.9 μm , 0.5 mm, 1 A/W, 17 mA, SMD 3.8x3.8 mm	151,20	172,30
PD49-05, 2.8-4.9 μm , 0.5 mm, 1 A/W, 17 mA, TO-18	151,20	172,30
PD49-05R, 2.8-4.9 μm , 0.5 mm, 1 A/W, 17 mA, TO-18, reflector	162,40	185,06
PD49-05RW, 2.8-4.9 μm , 0.5 mm, 1 A/W, 17 mA, TO-18, reflector, window	204,40	232,93
PD49-05L, 2.8-4.9 μm , 0.5 mm, 17 mA, TO-18, glass cover	168,00	191,45
PD49-05TW, 2.8-4.9 μm , 0.5 mm, 1 A/W, 17 mA, TO-5, TEC, window	317,50	361,81
PD49-05TRW, 2.8-4.9 μm , 0.5 mm, 1 A/W, 17 mA, TO-5, TEC, reflector, window	337,50	384,60
MID-IR PDs 1 - 5 μm WITH INTEGRATED PREAMPLIFIER	EUR	USD
 <p>Mid-IR photodiode in aluminum tube package with an integrated preamplifier (AMP) supply voltage: 5 VDC</p> <p>additional option: - parabolic reflector (R)</p>		
PD24-03 series		
PD24-03R-AMP, 1.1-2.43 μm , 0.3 mm, reflector, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	218,40	248,88
PD24-03RW-AMP, 1.1-2.43 μm , 0.3 mm, refl., window, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	240,80	274,41
PD25-05 series		
PD25-05R-AMP, 1.0-2.5 μm , 0.5 mm, reflector, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	386,40	440,33
PD25-05RW-AMP, 1.0-2.5 μm , 0.5 mm, refl., window, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	408,80	465,85
PD25-10 series		
PD25-10R-AMP, 1.0-2.5 μm , 1 mm, reflector, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	518,00	590,29
PD25-10RW-AMP, 1.0-2.5 μm , 1 mm, refl., window, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	540,40	615,82
PD36-03 series		
PD36-03R-AMP, 1.8-3.8 μm , 0.3 mm, reflector, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	207,20	236,12
PD36-03RW-AMP, 1.8-3.8 μm , 0.3 mm, refl., window, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	229,60	261,64
PD36-03LR-AMP, 2.0-3.8 μm , 0.3 mm, glass cover, refl., preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	215,60	245,69
PD36-05 series		
PD36-05R-AMP, 1.8-3.8 μm , 0.5 mm, reflector, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	257,60	293,55
PD36-05RW-AMP, 1.8-3.8 μm , 0.5 mm, refl., window, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	280,00	319,08
PD36-05LR-AMP, 2.0-3.6 μm , 0.5 mm, glass cover, refl., preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	268,80	306,31
PD40-05 series		
PD40-05R-AMP, 2.3-4.1 μm , 0.5 mm, reflector, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	280,00	319,08
PD40-05RW-AMP, 2.3-4.1 μm , 0.5 mm, refl., window, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	322,00	366,94
PD40-05LR-AMP, 2.3-4.1 μm , 0.5 mm, glass cover, refl., preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	296,80	338,22
PD41-03 series		
PD41-03R-AMP, 2.8-4.1 μm , 0.3 mm, reflector, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	218,40	248,88
PD41-03RW-AMP, 2.8-4.1 μm , 0.3 mm, refl., window, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	260,40	296,74
PD41-05 series		
PD41-05R-AMP, 2.8-4.1 μm , 0.5 mm, reflector, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	280,00	319,08
PD41-05RW-AMP, 2.8-4.1 μm , 0.5 mm, refl., window, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	322,00	366,94
PD43-03 series		
PD43-03R-AMP, 3.7-4.6 μm , 0.3 mm, reflector, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	218,40	248,88
PD43-03RW-AMP, 3.7-4.6 μm , 0.3 mm, refl., window, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	260,40	296,74
PD43-03LR-AMP, 3.6-4.6 μm , 0.3 mm, glass cover, refl., preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	226,80	258,45
PD43-05 series		
PD43-05R-AMP, 2.8-4.6 μm , 0.5 mm, reflector, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	280,00	319,08
PD43-05RW-AMP, 2.8-4.6 μm , 0.5 mm, refl., window, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	322,00	366,94
PD43-05LR-AMP, 2.6-4.6 μm , 0.5 mm, glass cover, refl., preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	296,80	338,22
PD49-05 series		
PD49-05R-AMP, 2.8-4.9 μm , 0.5 mm, reflector, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	280,00	319,08
PD49-05RW-AMP, 2.8-4.9 μm , 0.5 mm, refl., window, preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	322,00	366,94

PD49-05LR-AMP, 2.8-4.9 μm , 0.5 mm, glass cover, refl., preamplifier, 5 VDC, $\varnothing 12 \times 40$ mm tube	296,80	338,22
PD - SYNCHRONOUS DETECTOR		
SYNCHRONOUS DETECTOR FOR MID-IR PHOTODIODES with AMP (PDxx-yy-AMP-TEC)	EUR	USD
 <p>Synchronous detector for Mid-IR PDs with AMP measures the voltage signal of AMP and converts it to DC voltage signal proportional to the amplitude of input voltage</p> <ul style="list-style-type: none"> - 3 independent channels - built-in power supply for AMP 	1-9 pcs.	1-9 pcs.
PCB-sdetect-3P, measure and convert PD AMP signal, pulsed mode, 3 channels, 12 VDC	115,50	131,62
PD - AMPLIFIERS		
AMPLIFIERS FOR PHOTODIODES, PCB	EUR	USD
 <p>Multiboard: high gain and low noise general purpose photodiode preamplifier board</p>	1-9 pcs.	1-9 pcs.
Multiboard, general purpose photodiode amplifier board, 2 channels, +/--+/-24 VDC	104,00	118,51
 <p>Digiboard: high gain and low noise general purpose photodiode preamplifier board with digital and analog output</p>	1-9 pcs.	1-9 pcs.
Digiboard, general purpose photodiode amplifier board, 2 channels, 5-18 VDC	176,00	200,56
 <p>AMPCON 4-20: photodiode current amplifier converts input current from 0 ... 2,5 μA to 4 ... 20 mA output current. PCB size: 13 x 26 x 8 mm, supply voltage 10..24 VDC, adjustable offset and gain</p>	1-9 pcs.	1-9 pcs.
AMPCON 4-20, general purpose photodiode current converter 0..2,5 μA to 4..20 mA	78,00	88,89
 <p>VOLTCON 0-5: photodiode voltage amplifier converts input current from 0 ... 5 μA to 0 ... 5 V output voltage. PCB size: 13 x 26 x 8 mm, supply voltage 7..24 VDC, adjustable gain</p>	1-9 pcs.	1-9 pcs.
VOLTCON 0-5, general purpose photodiode voltage converter 0..5 μA to 0..5 V	78,00	88,89
AMPLIFIERS FOR MID-IR PHOTODIODES	EUR	USD
 <p>Mini preamplifier for Mid-IR PDs works in photovoltaic mode: the board converts the amplified photodiode current into a voltage signal</p> <ul style="list-style-type: none"> - 1 channel 		
PCB-mpreamp, photovoltaic mode, supply voltage 5 VDC, 26 x 10 mm	73,50	83,76
 <p>Amplifier with integrated Synchronodetector for Mid-IR photodiodes. Maximum Output $\pm 4\text{V}$ for subsequent use with lock-in amplifiers, oscilloscopes or A/D converters. Signal output on LC display</p>	1-5 pcs.	1-5 pcs.
AM-07, 0.5kHz-1MHz, max. $6.4 \cdot 10^6$ V/A, for PDxx-yy series	373,80	425,97

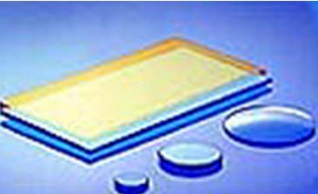
PD - BARE CHIP DIES

355 nm - 1720 nm	EUR	USD
 <p>Photodiode chip dies minimum order quantity 10 pcs. (MOQ)</p> <p>410 nm - 1750 nm</p>	10-99 pcs.	10-99 pcs.
PX410, InGaAs photodiode chip die, 1.0 - 1.65 µm, 75 µm active area (MOQ=10pcs)	3,85	4,39
PX511-2, InGaAs photodiode chip die, 1.0 - 1.65 µm, 300 µm active area (MOQ=10pcs)	o.r.	o.r.
PX611-2, InGaAs photodiode chip die, 1.0 - 1.65 µm, 1 mm active area	o.r.	o.r.
PX711, InGaAs photodiode chip die, 1.0 - 1.65 µm, 2 mm active area	o.r.	o.r.
LAPD-1-09-17-CHIP, InGaAs photodiode chip die, 1.0 - 1.7 µm, 1 mm area	25,96	29,58
LAPD-1-06-17-CHIP, InGaAs photodiode chip die, 0.6 - 1.7 µm, 1 mm area	39,02	44,46
LAPD-2-09-17-CHIP, InGaAs photodiode chip die, 1.0 - 1.7 µm, 2 mm area	52,55	59,89
LAPD-2-06-17-CHIP, InGaAs photodiode chip die, 0.6 - 1.7 µm, 2 mm area	78,83	89,83
LAPD-3-09-17-CHIP, InGaAs photodiode chip die, 1.0 - 1.7 µm, 3 mm area	168,97	192,55

THERMOPILES


THERMOPILE DETECTORS	EUR	USD
 <p>Thermopile sensors for IR temperature measurements, radiation monitoring, gas analysis</p> <ul style="list-style-type: none"> • hermetically sealed TO metal can package • high sensitivity • fast response time 	1-9 pcs.	1-9 pcs.
TP336A, 5 - 14 µm, 85 V/W, sensitive area Ø 545 µm, TO-5, window Ø 2.6mm	4,98	5,68
TP339U, 5 - 14 µm, 85 V/W, sensitive area Ø 545 µm, TO-18, window Ø 3.0mm	4,98	5,68
TP339UG, 5 - 14 µm, 85 V/W, sensitive area Ø 545 µm, TO-18, window Ø 3.0mm	4,98	5,68

INTERFERENCE FILTERS



INTERFERENCE FILTERS	EUR	USD
 <p>easy to use glued crystal assembly for generating green high quality interference filters for many science and technical applications</p> <p>further wavelengths and sizes on request</p>	1-9 pcs.	1-9 pcs.
RLT-254-11-A, 254 nm, T >15%, size Ø12.7 mm x 4.7 mm	77,80	88,66
RLT-330-10-A, 330 nm, T >30%, size Ø12.7 mm x 6.6 mm	77,80	88,66
RLT-340-10-A, 340 nm, T >40%, size Ø12.7 mm x 7.3 mm	109,90	125,24
RLT-365-12-A, 365 nm, T >40%, size Ø12.7 mm x 6.3 mm	77,80	88,66
RLT-405-12-A, 405 nm, T >40%, size Ø12.7 mm x 8.3 mm	77,80	88,66
RLT-436-12-A, 436 nm, T >45%, size Ø12.7 mm x 6.6 mm	77,80	88,66
RLT-458-11-A, 458 nm, T >70%, Ø12.7 mm, Dicke < 8.5 mm	134,90	153,73
RLT-488-10-A, 488 nm, T >70%, Ø12.7 mm, Dicke < 8.5 mm	134,90	153,73
RLT-500-11-A, 500 nm, T >50%, size Ø12.7 mm x 5.7 mm	134,90	153,73
RLT-514.5-11-A, 514.5 nm, T >70%, size Ø12.7 mm x 5.7 mm	134,90	153,73
RLT-520-11-A, 511 nm, T >50%, size Ø12.7 mm x 5.7 mm	77,80	88,66
RLT-532-10-A, 532 nm, T >70%, size Ø12.7 mm x 5.8 mm	77,80	88,66
RLT-546-10-A, 546 nm, T >50%, size Ø12.7 mm x 5.8 mm	77,80	88,66
RLT-589-10-A, 589 nm, T >60%, size Ø12.7 mm x 5.3 mm	77,80	88,66
RLT-600-22-A, 600 nm, T >60%, size Ø12.7 mm x 5.3 mm	77,80	88,66
RLT-620-12-A, 620 nm, T >60%, size Ø12.7 mm x 5.3 mm	77,80	88,66
RLT-632.8-11-A, 632.8 nm, T >70%, size Ø12.7 mm x 2.8 mm	77,80	88,66
RLT-635-11-A, 635 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	85,92
RLT-650-11-A, 650 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	85,92

RLT-655-25-A, 655 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	85,92
RLT-658-11-A, 658 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	85,92
RLT-660-11-A, 660 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	85,92
RLT-670-11-A, 670 nm, T >70%, size Ø12.7 mm x 2.8 mm	o.r.	o.r.
RLT-670-25-A, 670 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	85,92
RLT-680-11-A, 680 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	85,92
RLT-690-11-A, 690 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	85,92
RLT-780-11-A, 780 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	85,92
RLT-785-27.5-A, 785 nm, T >70%, size Ø12.7 mm x 3.6 mm	134,90	153,73
RLT-790-12.5-A, 790 nm, T >70%, size Ø12.7 mm x 3.6 mm	134,90	153,73
RLT-850-25-A, 850 nm, T >70%, size Ø12.7 mm x 2.3 mm	77,80	88,66
RLT-905-34-A, 905 nm, T >70%, size Ø12.7 mm x 3.3 mm	77,80	88,66
RLT-1064-11-A, 1064 nm, T >70%, size Ø12.7 mm x 3.6 mm	79,00	90,03
RLT-x-y-A: x = center wavelength CWL, y = HW		




OPTICAL POWER METERS

COHERENT LASER POWER METERS AND SENSORS	EUR	USD
 <p>Coherent laser power and energy meters, sensors and accessories, for handheld operation and laboratory use</p>	1-9 pcs.	1-9 pcs.
LaserCheck, handheld laser power meter, 400..1064 nm, 0.5 µW up to 1 W	467,00	532,17
Fieldmate, laser power meter, analog and digital readout, AC/DC operation	935,55	1.066,12
Fieldmax II P, laser energy meter, USB computer interface, LCD display	1.443,75	1.645,24
Fieldmax II TO, laser power meter, USB computer interface, LCD display	1.174,86	1.338,82
Fieldmax II TOP, laser energy and power meter, USB computer interface, LCD Display	1.733,74	1.975,70
Labmax TOP, laser energy and power meter, USB and RS232 interface, data logging	2.219,70	2.529,48
AC poweradapter	o.r.	o.r.
Fieldmate softcase	o.r.	o.r.
OP-2-IR, 800..1800 nm , max. power 10 mW, active area Ø 5 mm, resolution 1 nW	994,35	1.133,12
OP-2-VIS, 400..1060 nm , max. power 50 mW, active area Ø 7.9 mm, resolution 1 nW	743,35	847,09
OP-2-UV, 250..400 nm , max. power 30 mW, active area Ø 6 mm, resolution 1 nW	855,75	975,18
J-10MB-LE, 0.19..12 µm , 300nJ - 60µJ, active area Ø 10 mm, <1 khz	1.390,20	1.584,22
J-10MB-HE, 0.19..12 µm , 10µJ - 20mJ, active area Ø 10 mm, <1 khz	1.390,20	1.584,22
J-10MT-10KHZ, 0.3..2.1 µm , 100nJ - 200µJ, active area Ø 10 mm, <10 khz	1.614,90	1.840,28

FIBER CHECKERS


FIBERPOINT series	EUR	USD
 <p>fiber optic fault locator made in germany for field, industrial, and laboratory use many common connectors supported for single mode/multimode fibers Dust cap and AAA alkaline batteries included 3 different adapters available</p>	1-9 pcs.	1-9 pcs.
FIBERPOINT 250, 635nm, <1mW, 2.5mm, pulse & cw, 21 x 170 mm, 2x AAA	196,87	224,35
FP-adapter POF, for 1.5 and 2.2 mm polymer optical fibers, attenuation < 1 dB	27,23	31,03
FP-adapter SMA, for SMA 905 connector, attenuation < 1 dB	38,11	43,43
FP-adapter 2.5-1.25, for 1.25 mm connector LC, MU, F3000, attenuation < 1dB	41,40	47,18
OEM series	EUR	USD
 <p>fiber checker with visible laser diode source Available wavelength: 650 nm Universal connector for most ferrules pulse and cw- mode switchable Complete and ready to use with case</p>	1-9 pcs.	1-9 pcs.
FCC-6512-5, 650 nm, 5mW, pulse & cw, mm, 2.5 mm, 2 x AAA, not for sale in germany	70,00	79,77

INFRARED SENSOR CARDS



INFRARED SENSOR CARDS	EUR	USD
 <p>universal IR sensor card type ISC-4-ALL for IR-light visualisation from 700 nm up to 1700 nm. Four extremely sensitive IR converting fields with each 19 x 19 mm² size. Card must be loaded with daylight or artificial light. Can be used at normal room light conditions due to highest ever noted efficiency and brightness.</p>	1-9 pcs.	1-9 pcs.
ISC-4-ALL, 700...1700 nm, extreme sensitive IR sensor card, 4 fields each 361 mm ²	93,00	105,98
 <p>infrared sensor cards for IR-light visualisation. Wavelength range 800 nm up to 1650 nm, sensor size: 30 x 50 mm²</p>	1-9 pcs.	1-9 pcs.
HT111-30x50, 808 nm, 940...990 nm, 1550 nm, active area = 15 cm ² , upconverting	29,90	34,07
HT582-30x50, 800...1400 nm, active area = 15 cm ² , light loadable	34,20	38,97
HT612-30x50, 800...1650 nm, active area = 15 cm ² , light loadable	29,90	34,07
 <p>infrared sensor cards for IR-light visualisation. Wavelength range 800 nm up to 1650 nm, sensor size 10 x 10 mm²</p>	1-9 pcs.	1-9 pcs.
HT111-10x10, 808 nm, 940...990 nm, 1550 nm, active area = 1 cm ² , upconverting	8,10	9,23
HT582-10x10, 800...1400 nm, active area = 1 cm ² , light loadable	8,10	9,23
HT612-10x10, 800...1650 nm, active area = 1 cm ² , light loadable	8,10	9,23

LASER SAFETY DEVICES


UNIVET LASER SAFETY GOGGLES	EUR	USD
		
5X3.03.33.04, protection UV, <525nm, polycarbonate: orange, VLT:57.5%	26,80	30,54
5X6.03.00.03, protection UV, <480nm, polycarbonate: yellow, VLT:77.5%	24,90	28,38
505U.00.00.19, protection UV, <420nm, polycarbonate, yellow, VLT:83.2%	22,40	25,53
5X7L.00.00.651, alignment+protection IR, >750m, polycarbonate: green, VLT:42%	69,00	78,63
 <p>Professional laser safety glasses - Side protection by full frame - adjustable silicone nose bridge - adjustable soft touch earpiece - suitable over prescription glasses - case and collar included</p>	1-9 pcs.	1-9 pcs.
531.00.0.311, protection UV+RED, 190-375nm, 600-658nm, polycarbonate: blue, VLT:20%	122,00	139,03
		
562H.00.00.301, alignment+protection UV+RED, 592-695nm, <380nm, polyc.: light blue, VLT:32%	109,00	124,21
562H.00.00.307, alignment+protection BLUE+GREEN, 440-570nm, polycarbonate: pink, VLT:22%	148,00	168,65


562H.00.00.309 , protection UV+IR, <430nm, >750nm, polycarbonate: green, VLT:42%	139,00	158,40
562H.00.00.316 , protection UV+RED+IR, <315nm, 575-705nm, >802 nm, polyc.: d. gr., VLT:3.4%	160,00	182,33
562H.00.00.329 , protection UV-GREEN+IR, <532nm, >800nm, polyc.: dark orange, VLT:22%	177,00	201,70
562H.00.00.200 , protection UV+IR, <260nm, >815nm, glass: aqua, VLT:70%	254,00	289,45
562H.00.00.201 , protection UV+IR, 190-315nm, 645-1525nm, >2800nm, glass: green, VLT:40%	256,00	291,73
		
559G.00.00.010 , protection UV+IR, <380nm, >740nm, glass: aqua, VLT:62%	430,00	490,01

LASER POINTERS - VIOLET

VIOLET LASER POINTER RLP-405	EUR	USD
 <p>Violet diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 	1-4 pcs.	1-4 pcs.
RLP-405-01, 405 nm , <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	49,00	55,84
RLP-405-05, 405 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	55,00	62,68
RLP-405-10, 405 nm , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	59,00	67,23
RLP-405-50, 405 nm , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	112,00	127,63
RLP-405-100, 405 nm , 100 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	128,00	145,86
VIOLET LASER POINTER GLP-405	EUR	USD
 <p>GLP series, 405 nm laser diode, 5-20mW, for science and fluorescence excitation applications. 405 nm laserlight is close to the limit of the human visibility, spot brightness on normal targets is poor. 2 x CR2 batteries, included 405 nm</p>	1-4 pcs.	1-4 pcs.
GLP-405-5, 405 nm , 5 mW, cw, 2 x CR2, 80 g, size 17 x 150 mm	112,00	127,63
GLP-405-10, 405 nm , 10 mW, cw, 2 x CR2, 80 g, size 17 x 150 mm	121,00	137,89
GLP-405-20, 405 nm , 20 mW, cw, 2 x CR2, 80 g, size 17 x 150 mm	130,00	148,14

LASER POINTERS - BLUE


ROYAL BLUE DIODE LASER POINTER RLP-450 series	EUR	USD
 <p>Royalblue diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 	1-4 pcs.	1-4 pcs.
RLP-450-01, 450 nm , <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	82,00	93,44
RLP-450-05, 450 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	84,00	95,72
RLP-450-10, 450 nm , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	89,00	101,42
RLP-450-50, 450 nm , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	129,00	147,00
ROYAL BLUE LASER POINTERS	EUR	USD

 <ul style="list-style-type: none"> - direct emitting blue laser diode - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished <p style="text-align: center;">450 nm</p>		
	1-4 pcs.	1-4 pcs.

ROITHNER 450, 450 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	69,90	79,66
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LASER POINTERS - GREEN

GREEN DIODE LASER POINTER RLP-520 series

	EUR	USD
 <p>Green diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 		
	1-4 pcs.	1-4 pcs.


RLP-520-01, 520 nm , <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	82,00	93,44
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RLP-520-05, 520 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	84,00	95,72
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RLP-520-10, 520 nm , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	89,00	101,42
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RLP-520-20, 520 nm , <20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	99,00	112,82
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GREEN DIRECT EMITTING ROITHNER 520

	EUR	USD
 <p>Green diode laser pointer:</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished <p style="text-align: center;">520 nm</p>		
	1-4 pcs.	1-4 pcs.

ROITHNER 520, 520 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	69,90	79,66
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GREEN DIODE LASER POINTER GDP series

	EUR	USD
 <p>Green diode laser pointer</p> <ul style="list-style-type: none"> - low operating current - qcw, short focus (1 m) - wide operating temperature (-10°C..+40°C) - alkaline batteries included <p style="text-align: center;">520 nm</p>		
	1-4 pcs.	1-4 pcs.

GDP-520-1, 520 nm, 1 mW, qcw, ON-LED, 80 g, 13x160mm, 2 x 1.5V AAA battery	77,00	87,75
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GDP-520-5, 520 nm, 5 mW, qcw, ON-LED, 80 g, 13x160mm, 2 x 1.5V AAA battery	88,00	100,28
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GREEN DPSS LASER POINTER RLP-532 series

	EUR	USD
 <p>Green DPSS laser pointer</p> <ul style="list-style-type: none"> - IR filter - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished <p style="text-align: center;">532 nm</p>		
	1-4 pcs.	1-4 pcs.

RLP-532-01, 532 nm , <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	49,00	55,84
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RLP-532-05, 532 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	52,00	59,26
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RLP-532-10, 532 nm , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	59,00	67,23
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RLP-532-20, 532 nm , <20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	160,00	182,33
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RLP-532-50, 532 nm , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	180,00	205,12
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RLP-532-100, 520 nm , 100 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	240,00	273,49
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GREEN DPSS ROITHNER 532

	EUR	USD
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 <p>Green DPSS laser pointer:</p> <ul style="list-style-type: none"> - IR filter - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished <p>532 nm</p>		
ROITHNER 532, 532 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	29,90	34,07
GREEN DPSS S200 series	EUR	USD
 <p>S200 green laser pointer: 532nm, silvergrey metal body with clip, excellent beam quality, batteries included</p> <p>532 nm</p>		
S200-5R, 532 nm , <5 mW, cw, 13 x 155 mm, 81 g, metal housing, 2 x 1.5V AAA battery	29,90	34,07
GREEN DPSS JLP series	EUR	USD
 <p>JLP green laser pointer: 532nm, black metal body with clip, excellent beam quality, batteries included</p> <p>532 nm</p>		
JLP-5G, 532 nm , <5 mW, cw, 13 x 130 mm, 67 g, metal housing, 2 x 1.5V AAA battery	25,90	29,51
GREEN DPSS GPL-105	EUR	USD
 <p>GPL series: 532nm cw laser pointer, polished metal body with clip, excellent beam quality, black metal transport case and batteries included</p> <p>532 nm</p>		
GPL-105, 532 nm , <5 mW, cw, 13 x 150 mm, 71 g, 2 x 1.5V AAA battery	33,00	37,61
GREEN DPSS GPL HIGH POWER series	EUR	USD
 <p>GPL series: 532nm cw laser pointer, aluminium body with clip, transport case and batteries included. Up to 200mW</p> <p>532 nm</p>		
GPL-20, 532 nm , >20 mW, cw, 13 x 160 mm, 94 g, 2 x 1.5V AAA battery	84,00	95,72
GREEN DPSS GLP532 series	EUR	USD
 <p>GLP532 series: Green cw laser pointer, metal body with clip, black soft touch coating, excellent beam quality, transport case and batteries included</p> <p>532 nm</p>		
GLP532-5-3, 532 nm , 5 mW, cw, 13 x 162 mm, 90 g, 2 x 1.5V AAA battery	45,00	51,28
GLP532-20-3, 532 nm , 20 mW, cw, 13 x 162 mm, 90 g, 2 x 1.5V AAA battery	74,00	84,33
LASER POINTERS - DUAL WAVELENGTH		
GREEN-RED LASER POINTER	EUR	USD


	<p>GRP532-655 green-red laser pointer 532 nm and 650 nm, cw mode, metal housing, 2 push buttons: laser green, laser red, laser red + green, high quality mechanical design, excellent beam quality</p> <p>532, 650 nm</p>		
<p>GRP532-655, 532 nm and 650 nm, <5 mW, cw, 2 x AAA, size 13.5 x 157 mm</p>		<p>1-4 pcs.</p>	<p>1-4 pcs.</p>
<p>55,00</p>		<p>62,68</p>	


LASER POINTERS - REMOTE


GREEN DPSS LASER POINTER REMOTE PRESENTER	EUR	USD	
 <p>Laser pointer with integrated remote presenter fine finished brass casing with LED indicator, scroll buttons and clip, transport case and 2.4 GHz USB receiver</p> <p>532 nm</p>	<p>1-4 pcs.</p>	<p>1-4 pcs.</p>	
<p>GLP532-REMOTE, 532 nm, <5 mW, cw, remote, 2 x AAA, size 14.5 x 152 mm</p>		<p>89,00</p>	<p>101,42</p>






LASER POINTERS - RED


RED DIODE LASER POINTER RLP-635 series	EUR	USD	
 <p>Red diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 	<p>1-4 pcs.</p>	<p>1-4 pcs.</p>	
<p>RLP-635-01, 635 nm, <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery</p>		<p>29,90</p>	<p>34,07</p>
<p>RLP-635-05, 635 nm, <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, with ROITHNER logo</p>		<p>29,90</p>	<p>34,07</p>
<p>RLP-635-10, 635 nm, <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery</p>		<p>36,00</p>	<p>41,02</p>
<p>RLP-635-20, 635 nm, <20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery</p>		<p>88,00</p>	<p>100,28</p>

RED LASER POINTER ROITHNER 635	EUR	USD	
 <p>Red diode laser pointer:</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished <p>635 nm</p>	<p>1-4 pcs.</p>	<p>1-4 pcs.</p>	
<p>ROITHNER 635, 635 nm, <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery</p>		<p>21,90</p>	<p>24,96</p>


RED LASER POINTERS LS series	EUR	USD	
 <p>red laser pointer, low cost, cw-operation, black metal body with clip, transport case and batteries included</p> <p>645 nm</p>	<p>1-4 pcs.</p>	<p>1-4 pcs.</p>	
<p>LS-11, 645 nm, 3.5 mW, 11 x 135 mm, 48 g, 2 x 1.5V AAA battery</p>		<p>16,96</p>	<p>19,33</p>

RED DIODE LASER POINTER RLP-650 series	EUR	USD
 <p>Red diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 	<p>1-4 pcs.</p>	<p>1-4 pcs.</p>


RLP-650-01, 655 nm , <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	28,90	32,93
RLP-650-05, 655 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, with ROITHNER logo	28,90	32,93
RLP-650-10, 655 nm , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	34,00	38,75
RLP-650-30, 655 nm , <30 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	84,00	95,72
RED LASER POINTER ROITHNER 650	EUR	USD
 <p>Red diode laser pointer:</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished <p>655 nm</p>	1-4 pcs.	1-4 pcs.
ROITHNER 650, 655 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	19,90	22,68
LASERPOINTERS - IR - 780 nm		
INFRARED DIODE LASER POINTER RLP-780 series	EUR	USD
 <p>IR diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 	1-4 pcs.	1-4 pcs.
RLP-780-10, 780 nm , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	78,00	88,89
RLP-780-50, 780 nm , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	96,00	109,40
INFRARED LASER POINTERS LP-780	EUR	USD
 <p>IR laser pointer, cw-operation, body with clip, status LED, alkaline batteries and transport case included</p> <p>780 nm</p>	1-4 pcs.	1-4 pcs.
LP-780-2, 780 nm , 2 mW, 11 x 137 mm, 55 g, 2 x 1.5V AAA battery	14,00	15,95
LASERPOINTERS - IR - 808 nm		
INFRARED DIODE LASER POINTER RLP-808 series	EUR	USD
 <p>IR diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 	1-4 pcs.	1-4 pcs.
RLP-808-10, 808 nm , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	56,00	63,82
RLP-808-100, 808 nm , 100 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	69,00	78,63
RLP-808-200, 808 nm , 200 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	98,00	111,68
INFRARED LASER POINTERS SHP808 series	EUR	USD
 <p>IR laser pointer, 808 nm, cw-operation, polished metal body with clip, status LED, alkaline batteries and transport case included</p> <p>808 nm</p>	1-4 pcs.	1-4 pcs.
SHP808-100, 808 nm , <100 mW, 13 x 130 mm, 60 g, 2 x 1.5V AAA battery	54,00	61,54
SHP808-200, 808 nm , <200 mW, 13 x 130 mm, 60 g, 2 x 1.5V AAA battery	64,00	72,93
INFRARED LASER POINTERS PIL-808 series	EUR	USD


	infrared laser pointer, 808 nm, cw-operation, black metal body with clip, status LED, security key lock system available 808 nm		
		1-4 pcs.	1-4 pcs.
PIL-808-100, 808 nm , 100 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		98,00	111,68
PIL-808-200, 808 nm , 200 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		116,00	132,19

LASERPOINTERS - IR - 830 nm


INFRARED DIODE LASER POINTER RLP-830 series		EUR	USD
	IR diode laser pointer - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished		
		1-4 pcs.	1-4 pcs.
RLP-830-10, 830 nm , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		76,00	86,61
RLP-830-20, 830 nm , 20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		88,00	100,28

LASERPOINTERS - IR - 850 nm


INFRARED DIODE LASER POINTER RLP-850 series		EUR	USD
	IR diode laser pointer - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished		
		1-4 pcs.	1-4 pcs.
RLP-850-10, 850 nm , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		82,00	93,44
RLP-850-30, 850 nm , 30 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		94,00	107,12

INFRARED LASER POINTERS LP-850 series		EUR	USD
	IR laser pointer,cw-operation, body with clip, status LED, alkaline batteries and transport case included 850 nm		
		1-4 pcs.	1-4 pcs.
LP-850-3, 850 nm , 3 mW, 11 x 137 mm, 55 g, 2 x 1.5V AAA battery		42,00	47,86


LASERPOINTERS - IR - 980 nm

INFRARED DIODE LASER POINTER RLP-980 series		EUR	USD
	IR diode laser pointer - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished		
		1-4 pcs.	1-4 pcs.
RLP-980-10, 980 nm , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		58,00	66,09
RLP-980-20C, 980 nm , 20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		64,00	72,93
RLP-980-20F, 980 nm , 20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, focused @ 2cm		77,00	87,75
RLP-980-50C, 980 nm , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		82,00	93,44
RLP-980-50F, 980 nm , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, focused @ 2cm		99,00	112,82
RLP-980-100, 980 nm , 100 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		120,00	136,75



RLP-980-200, 980 nm , 200 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	140,00	159,54
RLP-980-300, 980 nm , 300 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	160,00	182,33
INFRARED LASER POINTERS SHP980 series	EUR	USD
 <p>IR laser pointer, 980 nm, cw-operation, polished metal body with clip, status LED, alkaline batteries and transport case included</p> <p>980 nm</p>	1-4 pcs.	1-4 pcs.
SHP980-25, 980 nm , 25 mW, 13 x 130 mm, 60 g, 2 x 1.5V AAA battery	42,00	47,86
SHP980-25F, 980 nm , 25 mW, 13 x 130 mm, focused @ 2 cm	48,00	54,70
INFRARED LASER POINTERS PIL-980 series	EUR	USD
 <p>infrared laser pointer, 980 nm, cw-operation, black metal body with clip, status LED, security key lock system available</p> <p>980 nm</p>	1-4 pcs.	1-4 pcs.
PIL-980-10, 980 nm , 10 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	143,00	162,96
LASERPOINTERS - IR - 1064 nm		
INFRARED LASER POINTERS PIL series	EUR	USD
 <p>infrared laser pointer, 808, 980 and 1064 nm, cw-operation, black metal body with clip, status LED, security key lock system available</p> <p>1064 nm</p>	1-4 pcs.	1-4 pcs.
PIL-1064-3, 1064 nm , 3 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	180,00	205,12
PIL-1064-5, 1064 nm , 5 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	185,00	210,82
GPLIR-20, 1064 nm , 20 mW, DPSS, IR-pointer, 2 x 1.5V AAA battery	162,00	184,61
PIL-1064-20, 1064 nm , 20 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	192,00	218,80
PIL-1064-30, 1064 nm , 30 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	198,00	225,63
LASERPOINTERS - IR - 1310 nm		
INFRARED DIODE LASER POINTER RLP-1310 series	EUR	USD
 <p>IR diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 	1-4 pcs.	1-4 pcs.
RLP-1310-10, 1310 nm , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	269,00	306,54
LASERPOINTERS - IR - 1550 nm		
INFRARED DIODE LASER POINTER RLP-1550 series	EUR	USD
 <p>IR diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 	1-4 pcs.	1-4 pcs.
RLP-1550-03, 1550 nm , 3 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	160,00	182,33
RLP-1550-05, 1550 nm , 5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	190,00	216,52
RLP-1550-10, 1550 nm , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	240,00	273,49

INFRARED LASER POINTERS OEM series	EUR	USD
 <p>customized infrared laser pointers</p> <p>several wavelengths available, cw-operation batteries included</p>		
	1-4 pcs.	1-4 pcs.
OEM-1550-05, 1550 nm , 5 mW, 25 x 15 x 115 mm, 50 g, 2 x 1.5V AAA battery	285,00	324,77
OEM-1550-10, 1550 nm , 10 mW, 25 x 15 x 115 mm, 50 g, 2 x 1.5V AAA battery	310,00	353,26


UV-LED MINI FLASHLIGHTS

	EUR	USD
 <p>reliable and handheld light sources with UV-LEDs</p> <p>available wavelengths 350 nm .. 405 nm</p> <p>RLT-283U</p>		
	1-9 pcs.	1-9 pcs.
RLT-284U, 380 nm , 1.5-2.0 mW, slotted case head, eye safe, 3 x LR43	10,39	11,84
RLT-287U, 380 nm , 1.5-2.0 mW, ball point pen design, 4 x AG3 (not included)	4,99	5,69
RLT-CHECKER-385, 385 nm , 2.0 - 4.0 mW, 30°, 4 x AG3 (not included)	3,33	3,79
AL-513UV-A, 395 nm , 5..6 mW, neclace, 11.6 x 3.1 mm, 3 x LR1130 (not included)	5,10	5,81

UV-LED FLASHLIGHTS



UV-LED FLASHLIGHTS	EUR	USD
 <p>UV-LED flashlight series, wavelength range from 355 nm up to 375 nm</p> <p>standard wavelength: 365 nm, 370 nm, 375 nm</p>		
	1-9 pcs.	1-9 pcs.
NS370HBL , UV-LED flashlight, 370 nm , 180 mW, 45 LEDs, 4 x AAA, 226 g, 55 x 150 mm	318,00	362,38
UV-LED FLASHLIGHTS	EUR	USD
 <p>UV High power flashlight series</p> <ul style="list-style-type: none"> - 365nm & 380nm - 1 x 18650 Li-Ion rechargeable battery (included) - Charger included <p>For checking of security markers in bank notes, credit cards, etc.</p>		
	1-9 pcs.	1-9 pcs.
UVCheck-3653W , UV-LED flashlight, 365nm , 134x31mm 133g	48,00	54,70
UVCheck-3803W , UV-LED flashlight, 380nm , 134x31mm 133g	36,00	41,02

HIGH POWER FLASHLIGHTS

WHITE 1 W LED FLASHLIGHT	EUR	USD
 <p>LUMILEDS 1W LED military type II anodizing</p> <p>35 lm</p>		
	1-9 pcs.	1-9 pcs.
TK01-1CR123-2AA-1W, white , 35 lm, 160 x 28 mm, CR123 or 2 x AA batteries	36,50	41,59
WHITE 3 W LED FLASHLIGHT	EUR	USD

 <p>LUMILEDS 3W LED military type II anodizing</p> <p>65 lm</p>		
TK01-2CR123-3W, white , 65 lm, 130 x 35 mm, 2 x CR123 batteries	1-9 pcs.	1-9 pcs.
39,90	39,90	45,47
WHITE RAPID ZOOM LED FLASHLIGHTS		
 <p>Small size rapid zoom focusing, changeable from long distance spot to broad room illumination, wrist strap and belt bag included</p> <p>90 lm</p>		
RLT-P2-ZOOM, white , 90 lm, 109 x 29 mm, 78 g, 1 x AA alkaline batteries	1-9 pcs.	1-9 pcs.
16,80	16,80	19,14
 <p>Rapid zoom focusing, changeable from long distance spot to broad room illumination wrist strap and belt bag included</p> <p>90 lm</p>		
RLT-P4-ZOOM, white , 80 lm, 113 x 35 mm, 135 g, 3 x AAA alkaline batteries	1-9 pcs.	1-9 pcs.
21,90	21,90	24,96
 <p>Rapid zoom focusing black anodized aluminium body high power 3W single chip design</p> <p>365-940 nm</p>		
RLT-X380-ZOOM, 380 nm , 113 x 35 mm, glass lens, 135 g, 3 x AAA alkaline batteries	1-9 pcs.	1-9 pcs.
o.r	o.r	o.r
RLT-X400-ZOOM, 400 nm , 113 x 35 mm, glass lens, 135 g, 3 x AAA alkaline batteries	o.r	o.r
RLT-X415-ZOOM, 415 nm , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries	o.r	o.r
RLT-X470-ZOOM, 470 nm , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries	o.r	o.r
RLT-X520-ZOOM, 520 nm , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries	o.r	o.r
RLT-X620-ZOOM, 620 nm , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries	o.r	o.r
RLT-X660-ZOOM, 660 nm , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries	o.r	o.r
RLT-X850-ZOOM, 850 nm , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries	o.r	o.r
RLT-X940-ZOOM, 940 nm , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries	o.r	o.r
 <p>Rapid zoom focusing, exceptional brightness, anodized aluminium body</p>		
RLT-P6-ZOOM-XPG, white , 500 lm, 199 x 42 mm, 445 g, 3 x "C" type alkaline batteries	1-9 pcs.	1-9 pcs.
92,00	92,00	104,84
RLT-P6-ZOOM-XML, white , 750 lm, 199 x 42 mm, 445 g, 3 x "C" type alkaline batteries	123,00	140,17
HID FLASHLIGHTS		
HID FLASHLIGHTS FOR TACTICAL AND PROFESSIONAL USE		
 <p>High intensity discharge flashlight series - focusable beam - rechargeable Li-Ion battery - power supply included</p> <p>530 - 1800 lm</p>		
HID-10-530-R, HID flashlight, max. 530 lumen, 10W HID lamp, Li-Ion battery, 110 min	1-9 pcs.	1-9 pcs.
456,00	456,00	519,64
HID-365, UV filter, <365 nm for HID flashlight series, color glass filter type	127,00	144,72
HID-850, IR filter, >850 nm for HID flashlight series, color glass filter type	127,00	144,72

LED HEADLAMPS

WHITE RAPID ZOOM LED HEADLAMP		EUR	USD
 <p>RLT-P4-HEAD-ZOOM 3W high power LED rapid zoom focusing, changeable from long distance spot to broad room illumination, 160 lm</p>		1-9 pcs.	1-9 pcs.
RLT-P4-HEAD-ZOOM, white, 160 lm, 43 x 90 x 90 mm, 77 g, 3 x AAA alkaline batteries		19,90	22,68
WHITE 1 W LED HEADLAMP		EUR	USD
 <p>TH06-1W superbright white LED headlight with LUMILEDS 1W LED, 2 x AA battery, aluminium and high quality plastic compound design, recommended for professional use</p>		1-9 pcs.	1-9 pcs.
TH06-1W, white, max. 35 lumen, 1 W LED, 2 x AA alkaline batteries		14,90	16,98
<p>ROITHNER LASERTECHNIK GmbH Wiedner Hauptstrasse 76, A-1040 Vienna, Austria, Europe, Tel.: +43-1-586 52 43 - 0, Fax.: +43-1-586 52 43 44 office@roithner-laser.com, www.roithner-laser.com, UID: ATU61938489, FN: 266954 f, Handelsgericht Wien Advising Bank: UniCredit Bank Austria AG, Bankleitzahl: 12000, SWIFT: BKAUATWW EUR account IBAN: AT1212 00000 608 547 402, USD account IBAN: AT3112 00000 570 347 781 PRICES: without VAT, duty unpaid, price change and printing mistake reserved!</p>			