

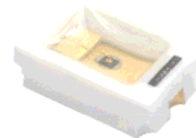


RLCU-4xx Series - Ceramics
UV - LED

preliminary

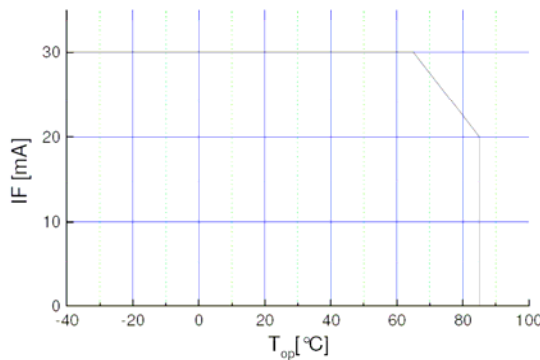
Features

- size 3.0(L) x 2.0(W) x 1.0(H) mm
- circuit substrate: Al₂O₃ Ceramics
- devices are ROHS conform
- lead free solderable. soldering pads: gold plated
- taped in 8 mm blister tape. cathode to transporting perforation
- all devices sorted into luminous intensity classes
- taping: face-up (T)
- high radiation intensity types



Absolute Maximum Ratings

$I_{F, max}$ [mA]	$I_{F, P}$ [mA] $t_p \leq 100 \mu s$ $\tau=1: 10$	V_R [V]	allowable $I_{R, max}$ [mA]	Thermal resistance R_{thJA} [K / W]	T_{Op} [°C]	T_{St} [°C]
30	50	5	100	60	-40...85	-40...100



Maximal forward current (DC) characteristic

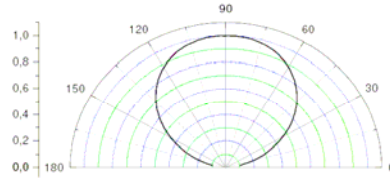
electrostatic discharge classification (MIL-STD-883E)

class 1

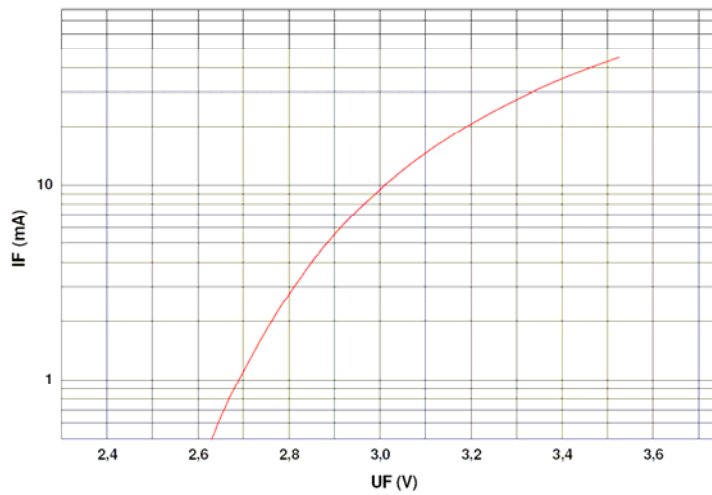
Electro-Optical Characteristics

Type	Marking at	measured at I_F [mA]	V_F [V]		λ_p [nm]		I_e [mW/sr]		Φ_e [mW]	
			typ	max	min	max	min	max	min	max
RLCU-400	anode	20	3.2	4.5	400	405	1.5	4.0	4.2	11
RLCU-410	anode	20	3.2	4.5	410	415	1.5	4.0	4.2	11
RLCU-415	anode	20	3.2	4.5	415	420	1.5	4.0	4.2	11

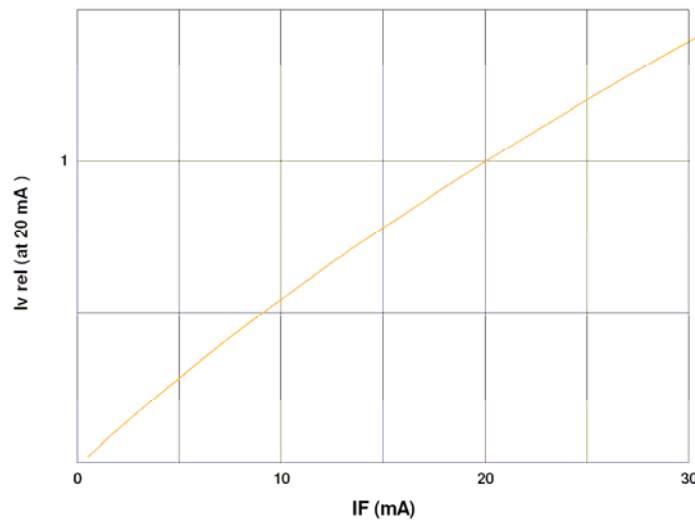
Wavelength between 370 and 420 nm upon request possible



view angle



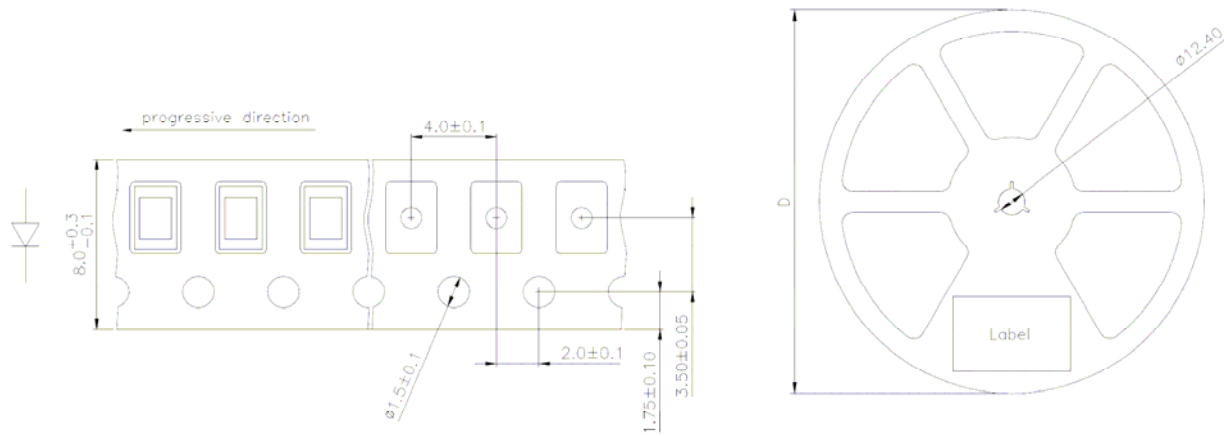
$U_F - I_F$
characteristic



$I_F - I_{v, rel}$
characteristic



Tape And Reel Packing



D	Parts/reel
180 mm	2000
330 mm	8000

Packing: The reel is sealed in special plastic bag with integrate ESD protection (MIL - STD 81705) including a silica dry-pack