

L385R-04

UV LED Lamp with UV Resistant Resin

L385R-04 is an InGaN LED mounted on a lead frame with UV resistant resin. On forward bias, it emits a band of visible light that peaks 385nm. This UV series is designed for long life under UV beam.

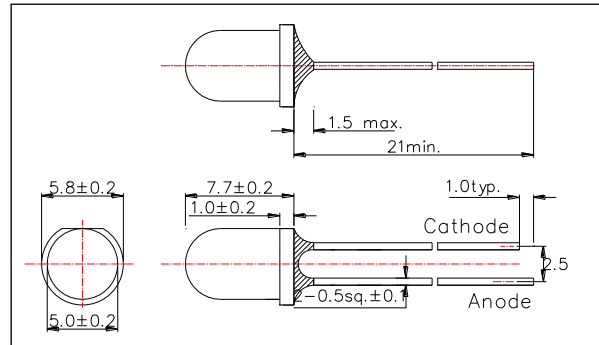
<Features>

- High Reliable for long life under UV beam
- High Output Power at 385nm

<Specifications>

1. Product Name: UV LED Lamp
2. Type Number: L385R-04
3. Chip:
 - Chip material: InGaN
 - Peak Wavelength: 385nm typ.
4. Package
 - Type: Φ 5mm clear molding
 - Resin Material: UV Resin
 - Lead Frame: Soldered(Lead Free)

Outer Dimension (Unit:mm)



Absolute Maximum Ratings				
Item	Symbol	Maximum Rated Value	Unit	Ambient Temp.
Power Dissipation	PD	110	mW	Ta=25°C
Forward Current	IF	30	mA	Ta=25°C
Reverse Voltage	VR	5	V	Ta=25°C
Operating Temperature	TOPR	-30 ~ +85	°C	
Storage Temperature	TSTG	-30 ~ +100	°C	
Soldering Temperature*	TSOL	260	°C	

* Soldering condition must be completed within 3 second at 260 °C.

Electro-Optical Characteristics						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=20mA		3.5	4.3	V
Reverse Current	IR	VR=5V			10	uA
Total Radiated Power*	PO	IF=20mA		3.5		mW
Brightness	IV	IF=20mA		-		mcd
Radiant Intensity**	IE	IF=20mA		6		mW/sr
Peak Wavelength	λ P	IF=20mA	375	385	395	nm
Half Width	$\Delta\lambda$	IF=20mA		17		nm
Viewing Half Angle	θ 1/2	IF=20mA		\pm 17		deg

* Measured by Ando Optical Multi Meter AQ2140(setted at 400nk range) &AQ2741

** Measured by Epitex designed and AQ2140&AQ2741

