

# L395R-04 UV LED Lamp with UV resistant resin

L395R-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 395nm.  
 This UV series is designed for long life under UV beam.

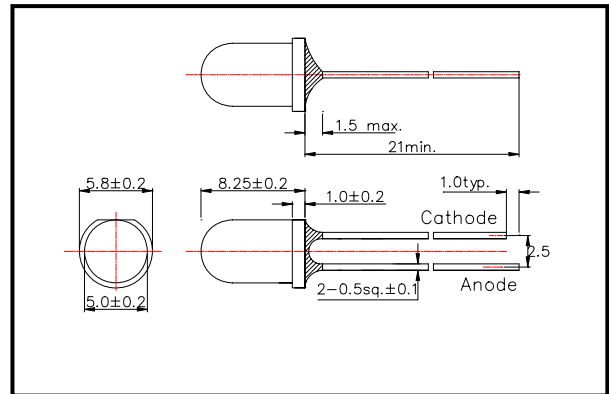
◆ Features

- 1) High reliable for long life under UV beam.
- 2) High output power at 395nm

◆ Specifications

- 1) Product Name                   UV LED Lamp
- 2) Type No.                        L395R-04
- 3) Chip
  - (1) Chip Material                InGaN
  - (2) Peak Wavelength         395nm typ.
- 4) Package
  - (1) Type                         Φ5mm clear molding
  - (2) Resin Material             UV Resin
  - (3) Lead Frame                 Soldered (Lead Free)

◆ Outer dimension (Unit: mm)



◆ Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
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	265	°C	

‡Soldering condition: Soldering condition must be completed within 3 seconds at 265°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		6.0		mW
Brightness	IV	IF=20mA		7		mW/sr
Peak Wavelength	$\lambda P$	IF=20mA	385	395	405	nm
Half Width	$\Delta\lambda$	IF=20mA		15		nm
Viewing Half Angle	$\theta 1/2$	IF=20mA		$\pm 20$		deg.

‡Total Radiated Power is measured by Ando Optical Multi Meter AQ2140 & AQ2741.

‡Ando Optical Multi Meter AQ2140 is setted at 400nm range.

‡Radiant Intensity is measured by Epitex's designed and AQ2140 & AQ2741