

L375R-06 UV LED Lamp with UV resistant resin

L375R-06 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 375nm.
 This UV series is designed for long life under UV beam.

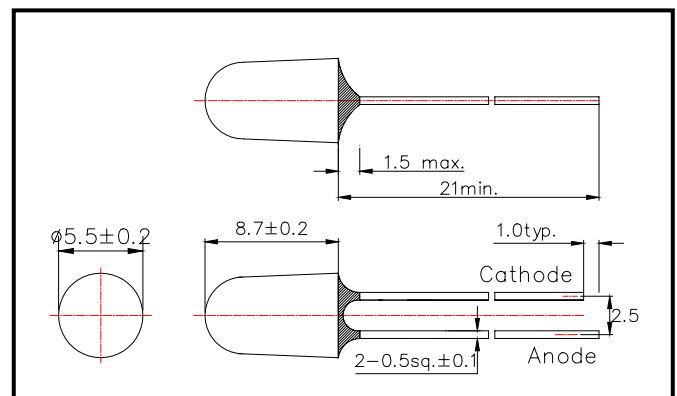
◆ Features

- 1) High reliable for long life under UV beam.
- 2) High output power at 375nm

◆ Specifications

- 1) Product Name UV LED Lamp
- 2) Type No. L385-06
- 3) Chip
 - (1) Chip Material InGaN
 - (2) Peak Wavelength 375nm typ.
- 4) Package
 - (1) Type Φ5mm clear molding
 - (2) Resin Material Epoxy Resin
 - (3) Lead Frame Soldered (Lead Free)

◆ Outer dimension (Unit: mm)



◆ Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P _D	110	mW	T _a =25°C
Forward Current	I _F	30	mA	T _a =25°C
Reverse Voltage	V _R	3	V	T _a =25°C
Operating Temperature	T _{OPR}	-30 ~ +85	°C	
Storage Temperature	T _{STG}	-30 ~ +100	°C	
Soldering Temperature	T _{SOL}	260	°C	

‡Soldering condition: Soldering condition must be completed within 3 seconds at 260°C

◆ Electro-Optical Characteristics

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F =20mA		3.5	4.0	V
Reverse Current	I _R	V _R =5V			10	uA
Total Radiated Power	P _O	I _F =20mA		2.5		mW
Brightness	I _V	I _F =20mA		-		mcd
Radiant Intensity	I _E	I _F =20mA		18		mW/sr
Peak Wavelength	λ _P	I _F =20mA	365	375	385	nm
Half Width	Δλ	I _F =20mA		10		nm
Viewing Half Angle	θ _{1/2}	I _F =20mA		±4		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