

L365R-06

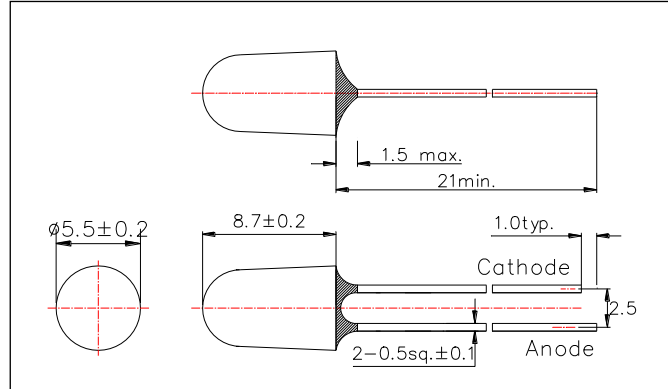
UV LED Lamp with UV Resistant Resin

L365R-06 is an AlGaIn LED mounted on a lead frame with UV resistant resin. On forward bias, it emits a band of visible light that peaks 365nm. This UV series is designed for long life under UV beam.

Outer Dimension (Unit:mm)

<Specifications>

1. Product Name: UV LED Lamp
2. Type Number: L365R-06
3. Chip:
 - Chip material: AlGaIn
 - Peak Wavelength: 365nm typ.
4. Package
 - Type: Φ5mm clear molding
 - Resin Material: UV Resin
 - Lead Frame: Soldered(Lead Free)



Absolute Maximum Ratings				
Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	PD	135	mW	Ta=25°C
Forward Current	IF	30	mA	Ta=25°C
Reverse Voltage	VR	3	V	Ta=25°C
Operating Temperature	TOPR	-20 ~ +85	°C	
Storage Temperature	TSTG	-20 ~ +100	°C	
Soldering Temperature*	TSOL	265	°C	

* Soldering condition must be completed within 3 second at 265 °C.

Electro-Optical Characteristics						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=20mA		3.8	4.3	V
Reverse Current	IR	VR=5V			10	uA
Radiated Power*	PO	IF=20mA		4.0		mW
Brightness***	IV	IF=20mA				mcd
Radiant Intensity**	IE	IF=20mA		18		mW/sr
Peak Wavelength	λP	IF=20mA	355	365	375	Nm
Half Width	Δλ	IF=20mA		20		Nm
Viewing Half Angle	θ1/2	IF=20mA		±4		deg

* Measured by S3584-08

** Measured by Ando Optical Multi Meter AQ2140 & AQ2741

*** Measured by Tectronix J-16

