

L375-30K42L

Higher Beam Type UV LED

L375-30K42L is an InGaN LED mounted on TO-46 stem and designed for narrow viewing angle $\pm 3^\circ$ type with hermetical glass ball lens can. On forward bias it emits a spectral band of radiation, which peaks at 375nm.

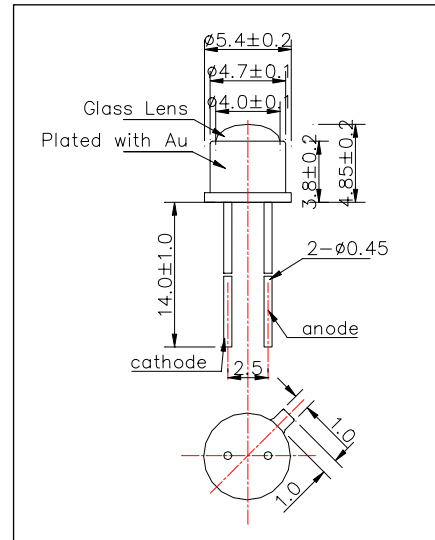
<Features>

- Narrow Viewing Angle
- High Power
- High Reliability

<Specifications>

1. Product Name: LED Lamp
2. Type Number: L375-30K42L
3. Chip:
 - Chip material: InGaN
 - Peak Wavelength: 375nm
4. Package
 - Stem: TO-46 Stem
 - Lens: Unspherical Ball Lens
 - Cap: Gold Plated

Outer Dimension (Unit:mm)



Absolute Maximum Ratings				
Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	PD	130	mW	Ta=25°C
Forward Current	IF	30	mA	Ta=25°C
Pulse Forward Current*	IFP	50	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	

* Duty=1% and Pulse Width=10μs

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

Electro-Optical Characteristics						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=20mA		3.6	4.0	V
Reverse Current	IR	VR=5V			10	uA
Total Radiated Power*	PO	IF=20mA		0.5		mW
Brightness	IV	IF=20mA		20		mcd
Radiant Intensity**	IE	IF=20mA		-		mW/sr
Peak Wavelength	λP	IF=20mA	370	375	380	nm
Half Width	Δλ	IF=20mA		10		nm
Viewing Half Angle	θ1/2	IF=20mA		±3		deg

* Measured by Ando Optical Multi Meter AQ2140&AQ2741 (AQ2140 is set at 400nm range)

** Measured by Epitex's designed AQ2140&AQ2741

