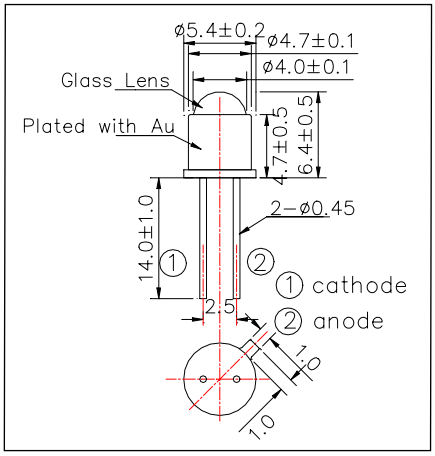
L470-30M32L

Stem Type LED with Ball Lens

L470-30M32L is an InGaN LED mounted on TO-18 stem with ball glass lens, and designed for sensing devices.
On forward bias it emits a spectral band of radiation, which peaks at 465nm.

Outer Dimension (Unit:mm)



<Features>
- High Power
- High Reliability

<Specifications>

1. Product Name: LED Lamp
2. Type Number: L470-30M32L
3. Chip:
   - Chip material: InGaN
   - Peak Wavelength: 465nm
4. Package
   - Stem: TO-18 Stem
   - Lens: Ball Glass Lens

Absolute Maximum Ratings[Ta=25℃]			
Item	Symbol	Maximum Rated Value	Unit
Power Dissipation	PD	200	mW
Forward Current	IF	50	mA
Pulse Forward Current*	IFP	100	mA
Reverse Voltage	VR	5	V
Operating Temperature	TOPR	-30 ~ +85	℃
Storage Temperature	TSTG	-30 ~ +100	℃
Soldering Temperature**	TSOL	265	℃

* Duty=1% and Pulse Width=10μs
** Soldering condition must be completed within 3 seconds at 265℃

Electro-Optical Characteristics						
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	VF	IF=20mA		3.2	4.0	V
Reverse Current	IR	VR=5V			10	uA
Total Radiated Power*	PO	IF=20mA	3.0	4.5		mW
Brightness	IV	IF=20mA		6		mcd
Radiant Intensity**	IE	IF=20mA		60		mW/sr
Peak Wavelength	λP	IF=20mA	455	465	475	nm
Half Width	Δλ	IF=20mA		25		nm
Viewing Half Angle	θ1/2	IF=20mA		±6		deg

* Measured by Photodyne #500
** Measured by Tektronix J-6512

RoHS Compliant

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