

## L470-30M32

### Stem Type LED with Ball Lens

L470-30M32 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.

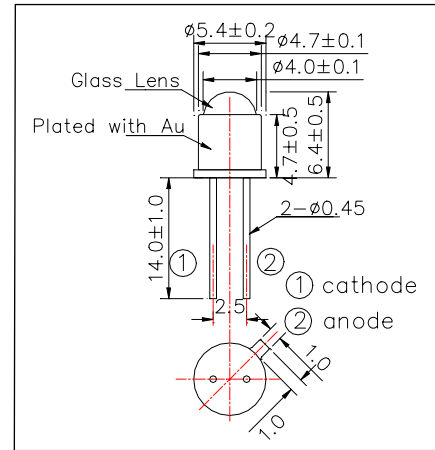
**<Features>**

- High Power
- High Reliability

**<Specifications>**

1. Product Name: LED Lamp
2. Type Number: L470-30M32
3. Chip:
  - Chip material: InGaN
  - Peak Wavelength: 465nm
4. Package
  - Stem: TO-18 Stem
  - Lens: Ball Glass Lens

Outer Dimension (Unit:mm)



Absolute Maximum Ratings[Ta=25°C]			
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	°C
Storage Temperature	TSTG	-30 ~ +100	°C
Soldering Temperature**	TSOL	265	°C

\* Duty=1% and Pulse Width=10μs

\*\* Soldering condition must be completed within 3 seconds at 265°C

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	3.5	5.5		mW
Brightness	IV	IF=20mA		4		mcd
Radiant Intensity**	IE	IF=20mA		30		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		±10		deg

\* Measured by Photodyne #500

\*\* Measured by Tektronix J-6512

