

## L360-30M32L Higher beam type UVLED

L360-30M32L is an InGaN LED mounted on TO-18 stem and designed for narrow viewing angle +/-5° typ. with hermetical glass ball lens can. On forward bias it emits a spectral band of radiation, which peaks at 360nm.

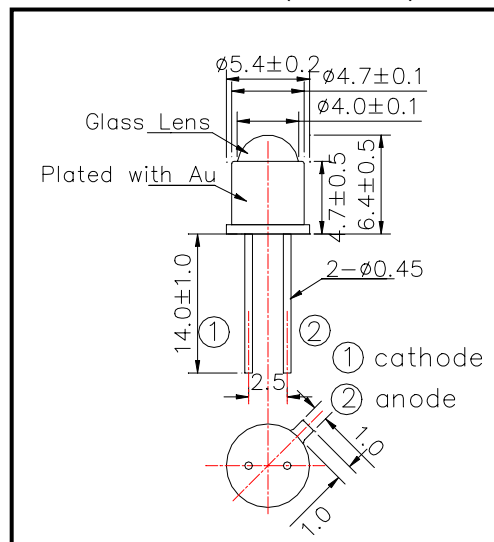
### ◆Features

- 1) Narrow viewing angle
- 2) High Radiant Intensity
- 3) High Reliability

### ◆Specifications

- |                     |                 |
|---------------------|-----------------|
| 1) Product Name     | LED Lamp        |
| 2) Type No.         | L360-30M32L     |
| 3) Chip Spec.       |                 |
| (1) Material        | InGaN           |
| (2) Peak Wavelength | 360nm           |
| 4) Package          |                 |
| (1) Type            | TO-18 stem      |
| (2) Lens            | Ball Glass Lens |
| (3) 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	

‡Pulse Forward Current condition: Duty=1% and Pulse Width=10us.

‡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	VF	IF=20mA		4.0	4.5	V
Reverse Current	IR	VR=5V			10	uA
Total Radiated Power	PO	IF=20mA		0.25		mW
Radiant Intensity	IE	IF=20mA		3		mW/sr
Brightness	IV	IF=20mA		-		mcd
Peak Wavelength	$\lambda P$	IF=20mA		360		nm
Half Width	$\Delta\lambda$	IF=20mA		12		nm
Viewing Half Angle	$\theta 1/2$	IF=20mA		$\pm 5$		°

‡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

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