

L430-30M32L Higher beam type LED

L430-30M32L is an InGaN LED mounted on TO-18 stem and hermetically sealed with glass ball lens can.

On forward bias it emits a spectral band of radiation, which peaks at 430nm.

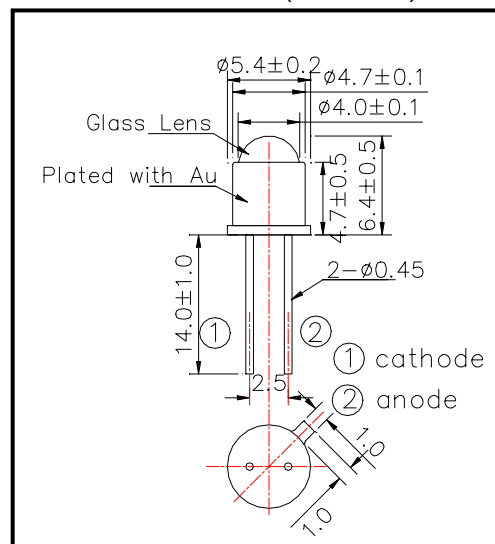
◆ Features

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

◆ Specifications

- 1) Product Name LED Lamp
- 2) Type No. L430-30M32L
- 3) Chip Spec.
 - (1) Material InGaN
 - (2) Peak Wavelength 430nm
- 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 | | 3.8 | 4.3 | V |
| Reverse Current | IR | VR=5V | | | 10 | uA |
| Total Radiated Power | PO | IF=20mA | | 0.15 | | mW |
| Brightness | IV | IF=20mA | | 200 | | mcd |
| Radiant Intensity | IE | IF=20mA | 1 | 2 | | mW/sr |
| Peak Wavelength | λP | IF=20mA | | 430 | | nm |
| Half Width | Δλ | IF=20mA | | 35 | | nm |
| Viewing Half Angle | θ 1/2 | IF=20mA | | ±6 | | deg. |

‡Total Radiated Power is measured by Photodyne #500

‡Radiant Intensity is measured by Tektronix J-6512.