

L435-30M32L Higher beam type LED

L435-30M32L 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 435nm.

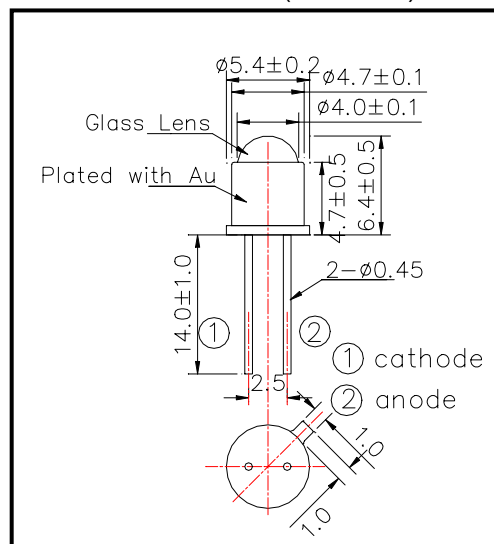
◆ Features

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

◆ Specifications

- 1) Product Name LED Lamp
- 2) Type No. L435-30M32L
- 3) Chip Spec.
 - (1) Material InGaN
 - (2) Peak Wavelength 435nm
- 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	120	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		3.5	4.0	V
Reverse Current	IR	VR=5V			10	uA
Total Radiated Power	PO	IF=20mA		1.0		mW
Brightness	IV	IF=20mA		800		mcd
Radiant Intensity	IE	IF=20mA	15	35		mW/sr
Peak Wavelength	λP	IF=20mA		435		nm
Half Width	Δλ	IF=20mA		35		nm
Viewing Half Angle	θ 1/2	IF=20mA		±5		deg.

‡Total Radiated Power is measured by Photodyne #500

‡Radiant Intensity is measured by Tektronix J-6512.

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