

## **LED** with Ball Lens



**Description** 

LED635L

The LED635L emits light with a spectral output centered at 635 nm. This LED is encased in a TO-39 package with a Ball Lens.

## **Specifications**

Electrical Specifications					
	Typical	Maximum Ratings			
Power Dissipation	-	500 mW			
DC Forward Current	350 mA	500 mA			
Forward Voltage @ 350 mA	2.3 V	3.0 V			
Reverse Voltage	-	10.0 V			
Operating Temperature	-	-55 to 100° C			
Storage Temperature	-	-55 to 100° C			

<sup>\*</sup>Note: All maximum measurements specified are at 25° C.

Optical Specifications				
	Typical			
Center Wavelength	635 nm			
FWHM	15 nm			
Half Viewing Angle	7°			
Optical Power (Minimum/Typical) @ 350 mA	80 mW/170 mW			

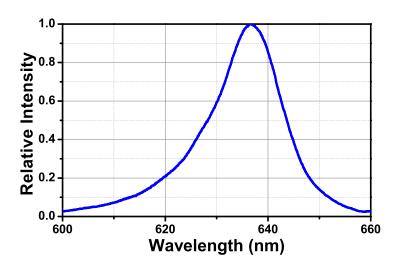
Soldering Specifications			
	Conditions		
Lead Soldering Temperature	260° C maximum, 1/16 inch (1.6 mm) from case for 5 seconds with soldering iron		

Cleaning Solvents									
Solvent	Ethyl Alcohol	Isopropyl Alcohol	Propanol	Acetone	Chloroseen	Tricloroethylene	MKS		
Approved	Yes	Yes	Yes	No	No	No	No		

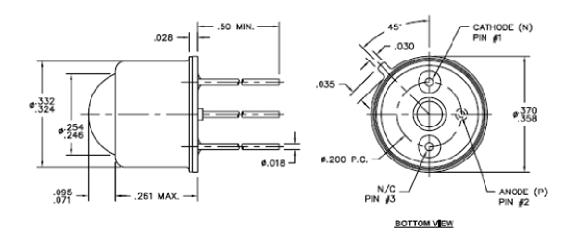




# **Typical Spectral Intensity Distribution**



## **Drawing**





#### **Precautions and Warranty Information**

These products are ESD (electro static discharge) sensitive and as a result are not covered under warranty. In order to ensure the proper functioning of an LED care must be given to maintain the highest standards of compliance to the maximum electrical specifications when handling such devices. The LEDs are particularly sensitive to any voltage that exceeds the absolute maximum ratings of the product. Any applied voltage in excess of the maximum specification will cause damage and possible complete failure to the product. The user must use handling procedures that prevent any electro static discharges or other voltage surges when handling or using these devices.

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