



LED470L

Description

The LED470L emits light with a spectral output centered at 470 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
Forward Voltage @ 350 mA	3.2 V	3.8 V
Pulsed Current (1/10 Duty Cycle at 1kHz)	-	2.0 A
Reverse Voltage		10.0 V
Operating Temperature	-	-55 to 100° C
Storage Temperature	-	-55 to 100° C

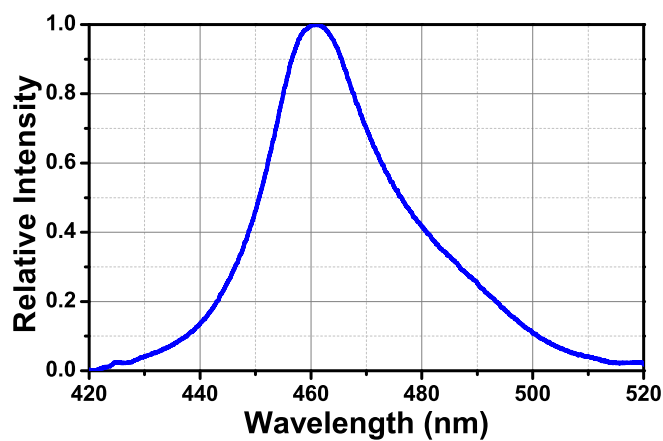
*Note: All maximum measurements specified are at 25° C.

Optical Specifications	
	Typical
Center Wavelength @ 350 mA	470 ±5 nm
FWHM	22 nm
Half Viewing Angle	7°
Optical Power (Minimum/Typical) @ 350 mA	80 mW / 170 mW

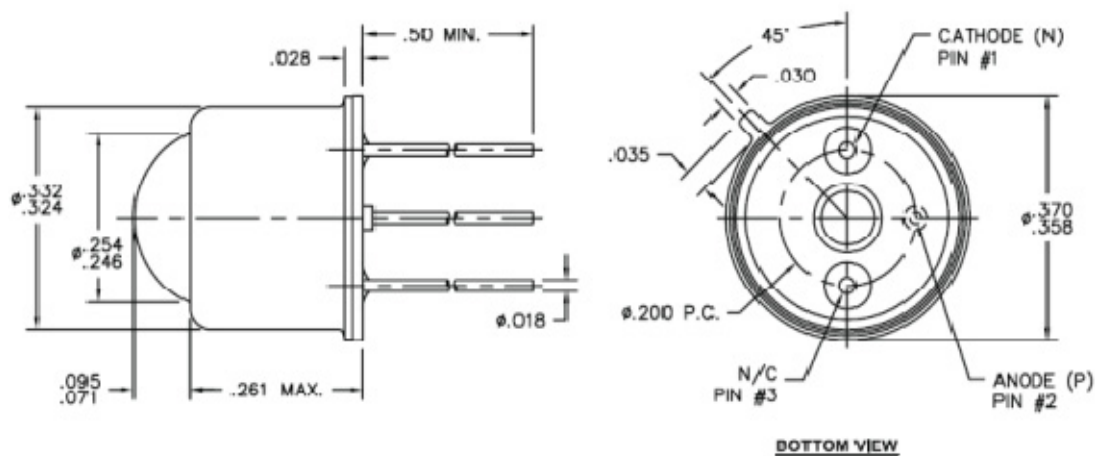
Soldering Specifications	
	Conditions
Lead Soldering Temperature	260° C maximum, 1/16 inch (1.6 mm) from case for 5 seconds with soldering iron

Cleaning Solvents							
Solvent	Ethyl Alcohol	Isopropyl Alcohol	Propanol	Acetone	Chloroform	Trichloroethylene	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.