

**DESCRIPTION**

This is a right angle mount 635 nm Red LED optimized for PCB mount applications requiring wide angle viewing and low power consumption.

**FEATURES**

- 635 nm Red
- Right Angle PCB Mount
- High Reliability
- Low Power Consumption
- Diffused Lens
- Similar to 1N6500
- Available screened to MIL-PRF-19500/519

**ABSOLUTE MAXIMUM RATINGS**

- Storage temperature..... -40°C to +85°C
- Case operating temperature -40°C to +85°C
- Lead solder temperature.... 260°C, 10 seconds
- Continuous forward current..... 30 mA
- Peak Forward Current..... 0.5 A \1
- Reverse Voltage..... 5 Volts
- \1 1 μsec pulse width, 300 Hz

**OUTLINE DIMENSIONS**

Tolerances are +/-0.005 inches, except as noted

**Pinout**

- 1. Anode    2. Cathode

The plastic case is electrically isolated from the pins.

**ELECTRO-OPTICAL CHARACTERISTICS (Case T = 25°C)**

PARAMETER	TEST CONDITION	SYMBOL	MIN	TYP	MAX	UNIT
Forward Voltage	If = 20 mA	V <sub>f</sub>		2.3	3.0	Volts
Reverse Current	V <sub>r</sub> = 3V	I <sub>r</sub>	1.0			μA
Half Angle at Half Intensity		θ <sub>1/2</sub>		30		DEG
Capacitance	V <sub>r</sub> = 0 V, f = 1 MHz	C		100		pF
Luminous Intensity 1	If = 20 mA, 0 degrees	I <sub>v1</sub>	8.0	20		mcd
Luminous Intensity 2	If = 20 mA, 30 degrees	I <sub>v2</sub>	1.0	5.0		mcd
Peak Wavelength	If = 20 mA	λ <sub>p</sub>	620	635	660	nm

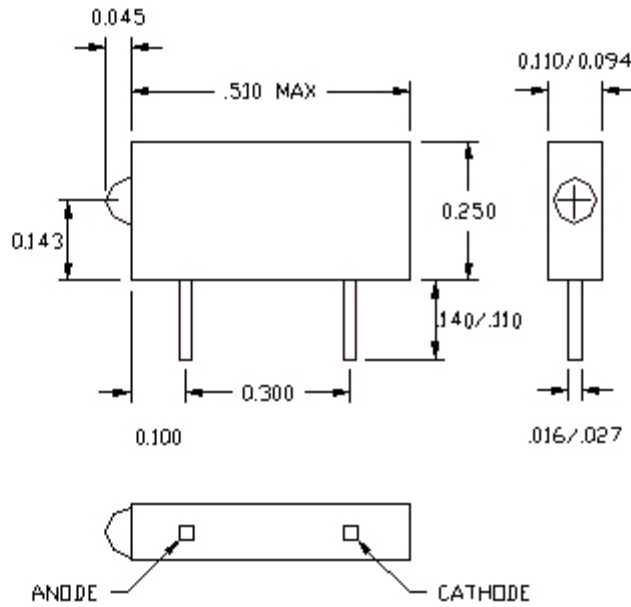
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Ohmstrasse 4  
 85716 Unterschleissheim  
[www.imm-photonics.de](http://www.imm-photonics.de)

Tel.: +49 89 3214120  
 Fax.: +49 89 32141211  
[sales@imm-photonics.de](mailto:sales@imm-photonics.de)

PACKAGE OUTLINE



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