

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 _f		2.3	3.0	Volts
Reverse Current	V _r = 3V	I _r	1.0			μA
Half Angle at Half Intensity		θ _{1/2}		30		DEG
Capacitance	V _r = 0 V, f = 1 MHz	C		100		pF
Luminous Intensity 1	If = 20 mA, 0 degrees	I _{v1}	8.0	20		mcd
Luminous Intensity 2	If = 20 mA, 30 degrees	I _{v2}	1.0	5.0		mcd
Peak Wavelength	If = 20 mA	λ _p	620	635	660	nm

PACKAGE OUTLINE

