

DESCRIPTION

This is a high radiance 660 nm Red LED optimized for applications requiring high reliability visible indicators.

ABSOLUTE MAXIMUM RATINGS

- ☐ Storage temperature..... -65°C to +125°C
- ☐ Case operating temperature -65°C to +100°C
- ☐ Lead solder temperature.... 260°C, 10 seconds
- ☐ Continuous forward current..... 35 mA
- ☐ Peak Forward Current..... 1 A $\sqrt{1}$
- ☐ Reverse Voltage..... 5 Volts

$\sqrt{1}$ 1 μ sec pulse width, 300 Hz

OUTLINE DIMENSIONS

Tolerances are +/-0.005 inches, except as noted

Pinout

1. Anode 2. Cathode

The case is electrically isolated from the pins.

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

PARAMETER	TEST CONDITION	SYMBOL	MIN	TYP	MAX	UNIT
Forward Voltage	$I_f = 20 \text{ mA}$	V_f		2.3	3.0	Volts
Reverse Current	$V_r = 3\text{V}$	I_r	1.0			μA
Half Angle at Half Power		$\theta_{1/2}$		30		DEG
Capacitance	$V_r = 0 \text{ V}, f = 1 \text{ MHz}$	C		100		pF
Luminous Intensity 1	$I_f = 20 \text{ mA}, 0 \text{ degrees}$	I_v1	3	20		mcd
Luminous Intensity 2	$I_f = 20 \text{ mA}, 30 \text{ degrees}$	I_v2	1.5			mcd
Peak Wavelength	$I_f = 20 \text{ mA}$	λ_p	590	660	680	nm

FEATURES

- ☐ 660 nm Red
- ☐ High luminous intensity, 20 mcd typical
- ☐ High Reliability
- ☐ Hermetic Package
- ☐ 30 Degree Half angle of light emission
- ☐ Similar to 1N6092
- ☐ Available screened to MIL-PRF-19500/519

