

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

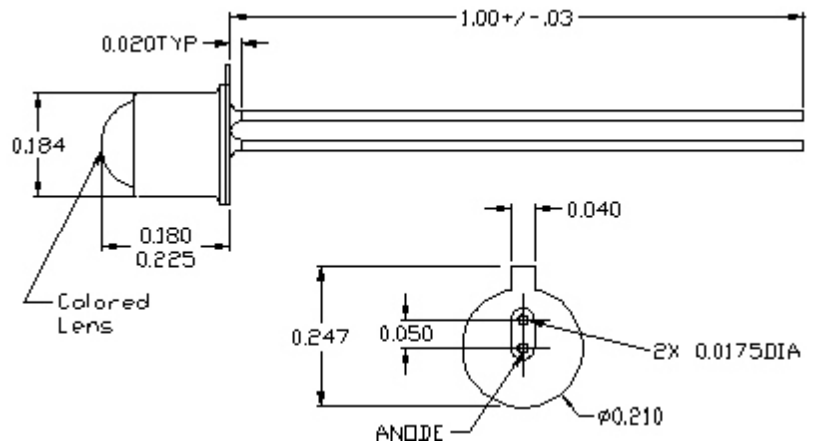
The case is electrically isolated from the pins.

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

| PARAMETER | TEST CONDITION | SYMBOL | MIN | TYP | MAX | UNIT |
|--------------------------|------------------------|----------------|-----|-----|-----|---------|
| Forward Voltage | If = 20 mA | V _f | | 2.3 | 3.0 | Volts |
| Reverse Current | Vr = 3V | I _r | 1.0 | | | μ A |
| Half Angle at Half Power | | $\theta_{1/2}$ | | 30 | | DEG |
| Capacitance | Vr = 0 V, f = 1 MHz | C | | 100 | | pF |
| Luminous Intensity 1 | If = 20 mA, 0 degrees | Iv1 | 3 | 20 | | mcd |
| Luminous Intensity 2 | If = 20 mA, 30 degrees | Iv2 | 1.5 | | | mcd |
| Peak Wavelength | If = 20 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



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