

## FEATURES

- Metal package for heatsinking
- Very narrow output beam
- Case electrically isolated

Dimensions are nominal values in inches unless otherwise specified.



## ELECTRO-OPTICAL CHARACTERISTICS AT 25°C

| PARAMETERS                                 | TEST CONDITIONS       | MIN | TYP | MAX | UNITS |
|--|-----------------------|-----|-----|-----|-------|
| Total Power Output, $P_O$                  | $I_F = 300\text{mA}$  | 10  | 12  |     | mW    |
| Luminous Intensity <sup>1</sup>            |                       |     | 30  |     | cd    |
| Radiant Intensity <sup>1</sup> , $I_e$     |                       |     |     | 80  |       |
| Peak Emission Wavelength, $\lambda_p$      | $I_F = 50\text{mA}$   | 515 | 520 | 525 | nm    |
| Spectral Bandwidth at 50%, $\Delta\lambda$ |                       |     | 40  |     | nm    |
| Half Intensity Beam Angle, $\theta$        |                       |     |     | 7   |       |
| Forward Voltage, $V_F$                     | $I_F = 300\text{mA}$  |     | 3.6 | 4.0 | Volts |
| Reverse Breakdown Voltage, $V_R$           | $I_R = 10\mu\text{A}$ | 2   | 5   |     | Volts |

## ABSOLUTE MAXIMUM RATINGS AT 25°C CASE

|  |        |
|--|--------|
| Power Dissipation <sup>2</sup>                         | 1200mW |
| Continuous Forward Current <sup>2</sup>                | 300mA  |
| Reverse Voltage  | 2V     |
| Lead Soldering Temperature (1/16" from case for 10sec) | 260°C  |

## THERMAL PARAMETERS

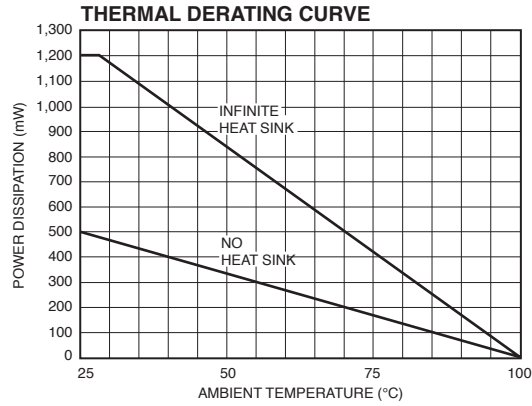
|   |                 |
|---|-----------------|
| Storage and Operating Temperature Range | -40°C TO 100°C  |
| Maximum Junction Temperature            | 100°C           |
| Thermal Dissipation Junction-Case       | 60°C/W Typical  |
| Thermal Dissipation Junction-Air        | 150°C/W Typical |

<sup>1</sup> As measured within a 2.0° field of view.

<sup>2</sup> Derate per appropriate thermal dissipation value above 25°C.

Class 1 ESD sensitive. Observe appropriate precautions during handling.

MAXIMUM RATINGS



TYPICAL CHARACTERISTICS

