

GHB-3M50-YG

Features

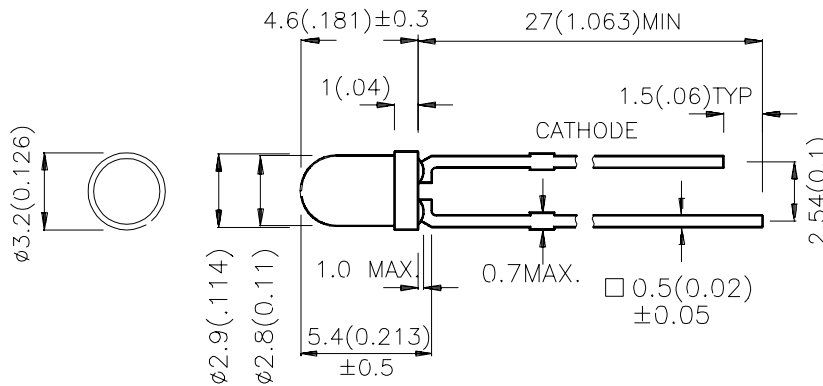
- ✓LOW POWER CONSUMPTION.
- ✓GENERAL PURPOSE LEADS.
- ✓RELIABLE AND RUGGED.
- ✓LONG LIFE - SOLID STATE RELIABILITY.
- ✓AVAILABLE ON TAPE AND REEL.

Description

The Green source color devices are made with InGaAlP on GaAs substrate Light Emitting Diode.

T-1 (3mm) SOLID STATE LAMP

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is 0.25(0.01") unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

Selection Guide

| Part No. | Dice | Lens Type | Iv (mcd) @ 20 mA | | Viewing Angle |
|-------------|-----------------|-------------|---------------------|------|------------------|
| | | | Min. | Typ. | |
| GHB-3M50-YG | GREEN (InGaAlP) | WATER CLEAR | 110 | 350 | 50° |

Note:

- 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at T_A=25 C

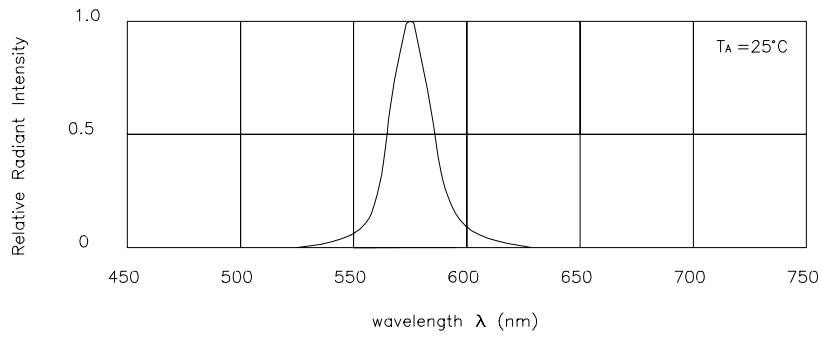
| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|----------------|--------------------------|--------|------|------|-------|---------------------------|
| peak | Peak Wavelength | Green | 574 | | nm | I _F =20mA |
| D | Dominate Wavelength | Green | 570 | | nm | I _F =20mA |
| 1/2 | Spectral Line Half-width | Green | 20 | | nm | I _F =20mA |
| C | Capacitance | Green | 15 | | pF | V _F =0V;f=1MHz |
| V _F | Forward Voltage | Green | 2.1 | 2.5 | V | I _F =20mA |
| I _R | Reverse Current | Green | | 10 | μA | V _R = 5V |

Absolute Maximum Ratings at T_A=25 C

| Parameter | Green | Units |
|-------------------------------|---------------------|-------|
| Power dissipation | 105 | mW |
| DC Forward Current | 30 | mA |
| Peak Forward Current [1] | 150 | mA |
| Reverse Voltage | 5 | V |
| Operating/Storage Temperature | -40 C To +85 C | |
| Lead Solder Temperature [2] | 260 C For 5 Seconds | |

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.



RELATIVE INTENSITY Vs. WAVELENGTH

