

GHB-3M50-R

Features

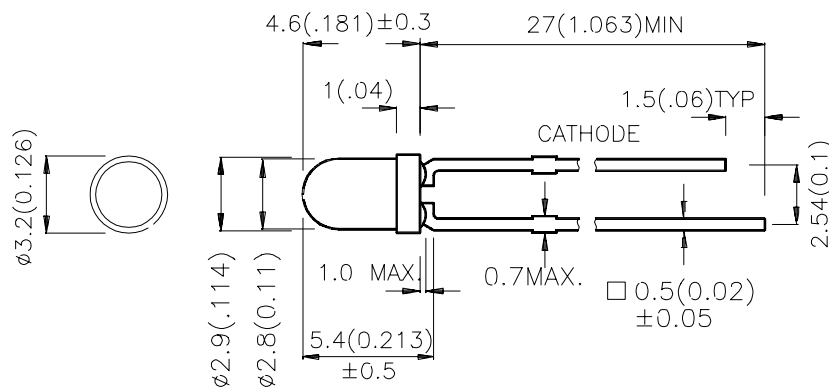
- ✓ LOW POWER CONSUMPTION.
- ✓ POPULAR T-1 DIAMETER PACKAGE.
- ✓ GENERAL PURPOSE LEADS.
- ✓ RELIABLE AND RUGGED.
- ✓ LONG LIFE - SOLID STATE RELIABILITY.
- ✓ AVAILABLE ON TAPE AND REEL.

Description

The Hyper Bright Red source color devices are.
made with DH 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	I _v (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	
GHB-3M50-R	HYPER RED (InGaAlP)	WATER CLEAR	900	1300	50

Note:

1. 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	Hyper Red	640		nm	I _F =20mA
D	Dominate Wavelength	Hyper Red	630		nm	I _F =20mA
1/2	Spectral Line Half-width	Hyper Red	25		nm	I _F =20mA
C	Capacitance	Hyper Red	45		pF	V _F =0V;f=1MHz
V _F	Forward Voltage	Hyper Red	1.9	2.5	V	I _F =20mA
I _R	Reverse Current	Hyper Red		10	uA	V _R = 5V

Absolute Maximum Ratings at T_A=25 C

Parameter	Hyper Red	Units
Power dissipation	150	mW
DC Forward Current	30	mA
Peak Forward Current [1]	200	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.

