

GHB-3M35-DR

Features

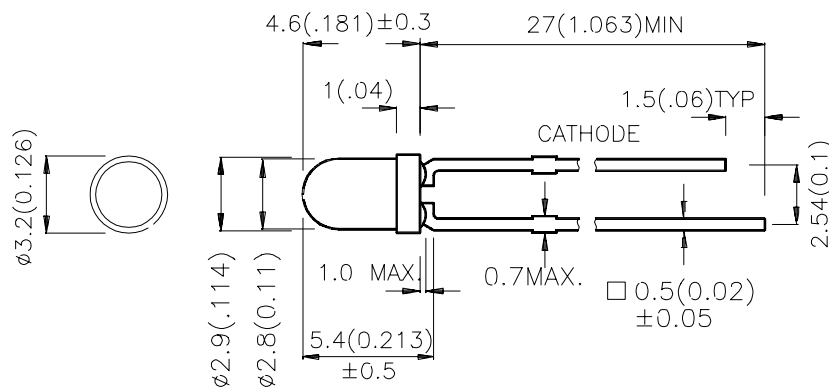
- ✓ LOW POWER CONSUMPTION.
- ✓ POPULAR T-1 DIAMETER PACKAGE.
- ✓ GENERAL PURPOSE LEADS.
- ✓ RELIABLE AND RUGGED.
- ✓ LONG LIFE - SOLID STATE RELIABILITY.
- ✓ AVAILABLE ON TAPE AND REEL.

Description

The Super Bright Red source color devices are.
made with Gallium Aluminum Arsenide Red 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-3M35-DR	SUPER BRIGHT RED (GaAlAs)	WATER CLEAR	1800	2300	34

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	Super Bright Red	660		nm	I _F = 20mA
D	Dominate Wavelength	Super Bright Red	640		nm	I _F = 20mA
1/2	Spectral Line Half-width	Super Bright Red	20		nm	I _F = 20mA
C	Capacitance	Super Bright Red	45		pF	V _F = 0V; f = 1MHz
V _F	Forward Voltage	Super Bright Red	1.85	2.5	V	I _F = 20mA
I _R	Reverse Current	Super Bright Red		10	uA	V _R = 5V

Absolute Maximum Ratings at T_A=25 C

Parameter	Super Bright Red	Units
Power dissipation	100	mW
DC Forward Current	30	mA
Peak Forward Current [1]	155	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.

