

GHB-3M20-B2

Features

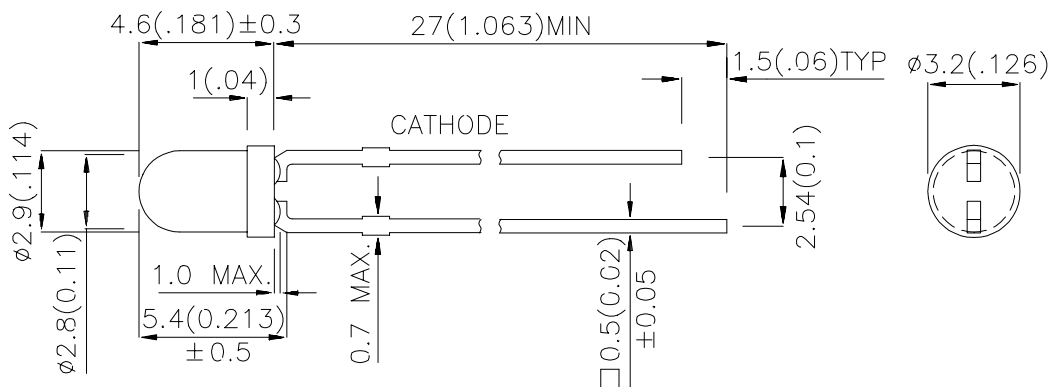
- ✓ LOW POWER CONSUMPTION.
- ✓ POPULAR T-1 DIAMETER PACKAGE.
- ✓ GENERAL PURPOSE LEADS.
- ✓ RELIABLE AND RUGGED.
- ✓ LONG LIFE - SOLID STATE RELIABILITY.
- ✓ AVAILABLE ON TAPE AND REEL.

Description

The Blue source color devices are made with InGaN on SiC Light Emitting Diode.

T-1 (3mm) SOLID LED 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-3M20-B2	BLUE (InGaN)	WATER CLEAR	280	550	20

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	Blue	465		nm	I _F =20mA
D	Dominate Wavelength	Blue	470		nm	I _F =20mA
1/2	Spectral Line Half-width	Blue	25		nm	I _F =20mA
C	Capacitance	Blue	110		pF	V _F =0V;f=1MHz
V _F	Forward Voltage	Blue	3.7	4.3	V	I _F =20mA
I _R	Reverse Current	Blue		10	uA	V _R = 5V

Absolute Maximum Ratings at T_A=25 C

Parameter	Blue	Units
Power dissipation	120	mW
DC Forward Current	30	m A
Peak Forward Current [1]	160	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40 C To +85 C	
Lead Solder Temperature [2]	260 C For 5 Seconds	

Notes:

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

