

GHB-3M40-CW

Features

- ✓ LOW POWER CONSUMPTION.
- ✓ SUITABLE FOR FULL COLOR LED DISPLAYS AND INDICATORS DIAGNOSTIC/ANALYTICAL EQUIPMENT.
- ✓ SOLID STATE BLUE LIGHT SOURCE

Description

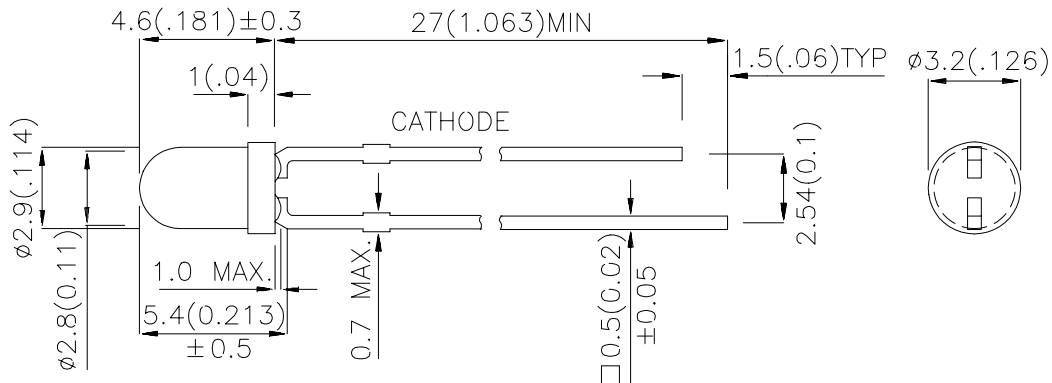
The source color devices are made with GaN on SiC Light Emitting Diode.

Static electricity and surge damage the LEDs. It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs.

All devices, equipment and machinery must be electrically grounded.

Package Dimensions

T-1 (3mm) SOLID STATE LAMP



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $.25(0.01)$ unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

Optical Characteristics

Part No.	Dice	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	
GHB-3M40-CW	WHITE (GaN)	WATERCLEAR	50	300	40°

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
V _F	Forward Voltage	White	3.8	4.5	V	I _F =20mA
I _R	Reverse Current	White		10	μA	V _R = 5V
X	Chromaticity Coordinates	White	0.31			
Y			0.32			
C	Capacitance	White	65		pF	V _F =0V, f=1MHz

Absolute Maximum Ratings at T_A=25 C

Parameter	White	Units
Power dissipation	120	mW
DC Forward Current	30	A
Peak Forward Current [1]	-	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.