

GHB-SOT23D-DR

Features

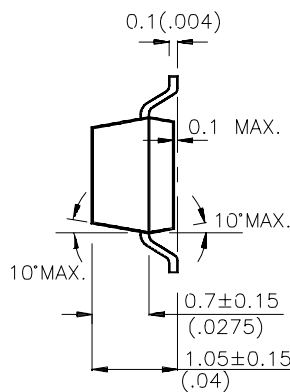
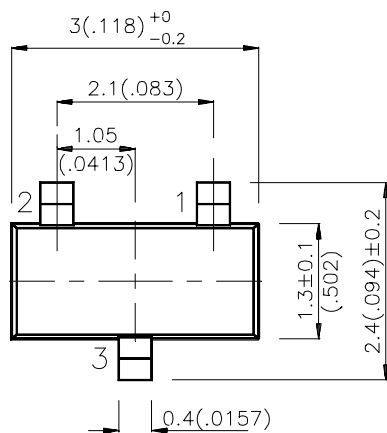
- ✓SOT-23 PACKAGE SURFACEMOUNT LED LAMP.
- ✓LOW POWER CONSUMPTION.
- ✓LONG LIFE - SOLID STATE RELIABILITY.
- ✓PACKAGE: 2000PCS / REEL.

Description

The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode.

SOT-23 SURFACE MOUNT LED LAMP

Package Dimensions



- 1 CATHODE
- 2 N.C.
- 3 ANODE

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-SOT23D-DR	SUPER BRIGHT RED (GaAlAs)	RED DIFFUSED	36	70	140°

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

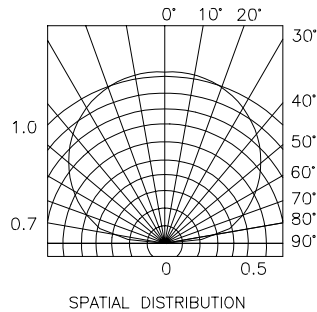
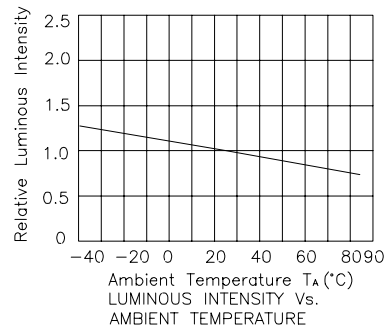
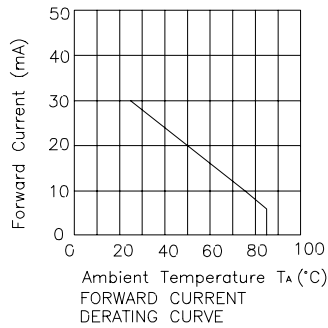
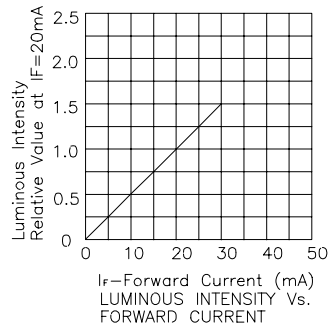
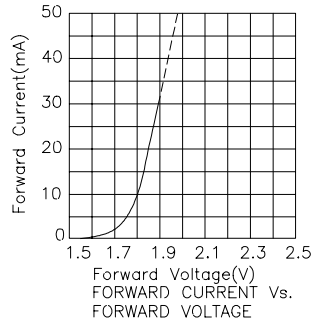
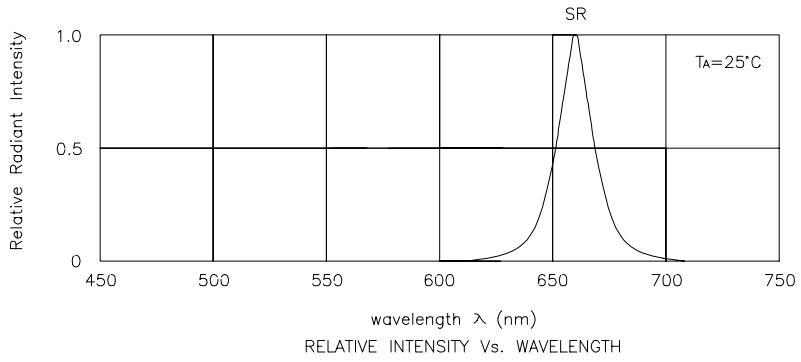
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
peak	Peak Wavelength	Super Bright Red	660		nm	I _F =20mA
D	Dominant Wavelength	Super Bright Red	640		nm	I _F =20mA
1/2	Spectral Line Half-width	Super Bright Red	20		nm	I _F =20mA
C	Capacitance	Super Bright Red	45		pF	V _F =0V;f=1MHz
V _F	Forward 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	

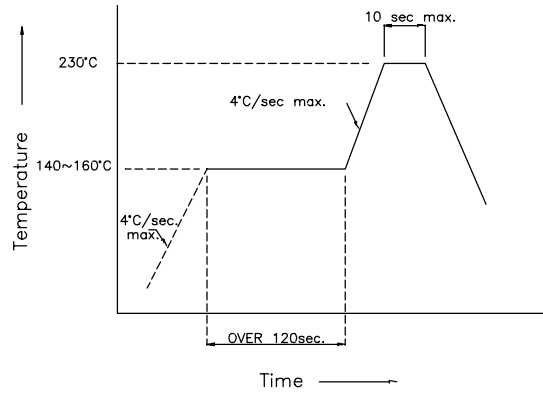
Note:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.

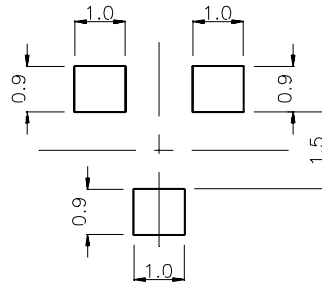


SMT Reflow Soldering Instructions

Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and second soldering process.



Recommended Soldering Pattern (Units : mm)



Tape Specifications (Units : mm)

