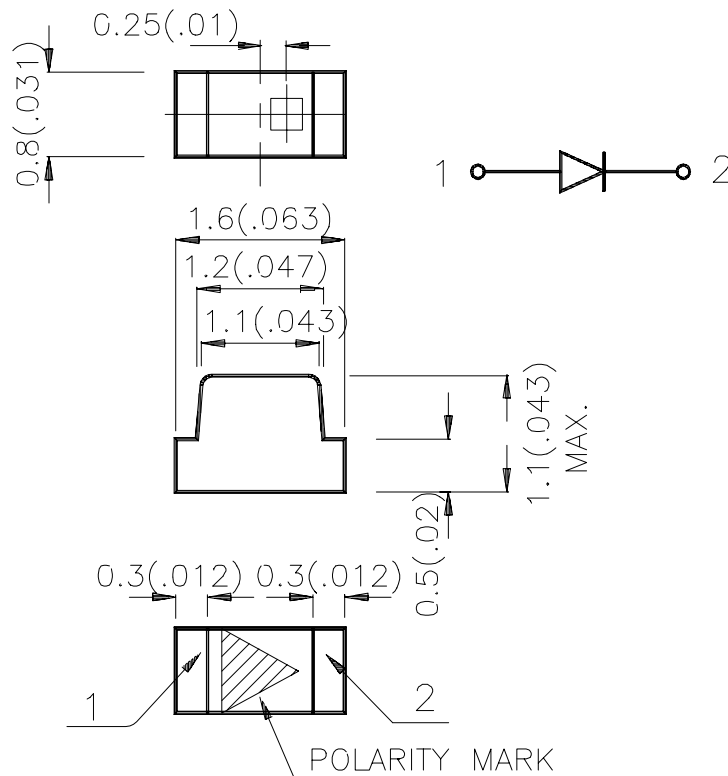


GHB-0603-Y

Features

- ✓ 1.6mmx0.8mm SMT LED, 1.1mm THICKNESS.
- ✓ LOW POWER CONSUMPTION.
- ✓ WIDE VIEWING ANGLE.
- ✓ IDEAL FOR BACKLIGHT AND INDICATOR.
- ✓ PACKAGE : 2000PCS / REEL.

Package Dimensions



Description

The Super Bright Yellow source color devices are made with DH InGaAlP on GaAs substrate Light Emitting Diode.

1.6x0.8mm SMD CHIP LED LAMP

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is 0.1(0.004") unless otherwise noted.
3. Specifications are subject to change without notice.

Selection Guide

| Part No. | Dice | Lens Type | Iv (mcd) @ 20mA | | Viewing Angle |
|------------|-------------------------------|-------------|--------------------|------|------------------|
| | | | Min. | Typ. | |
| GHB-0603-Y | SUPER BRIGHT YELLOW (InGaAlP) | WATER CLEAR | 36 | 100 | 120 |

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

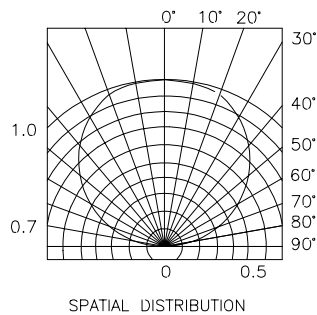
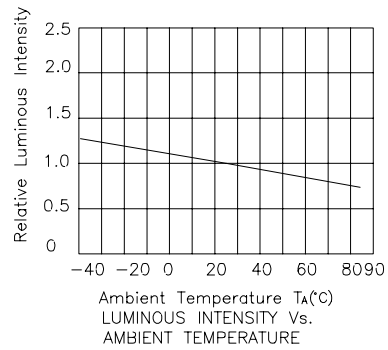
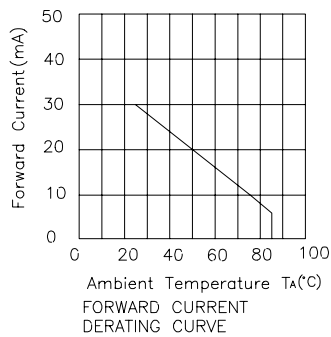
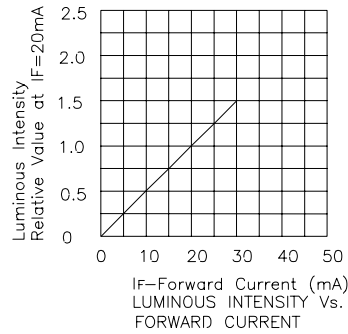
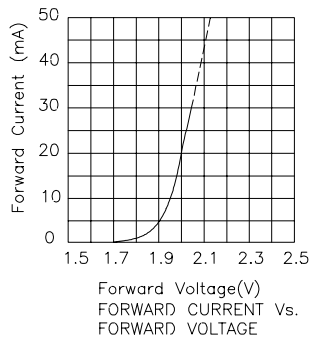
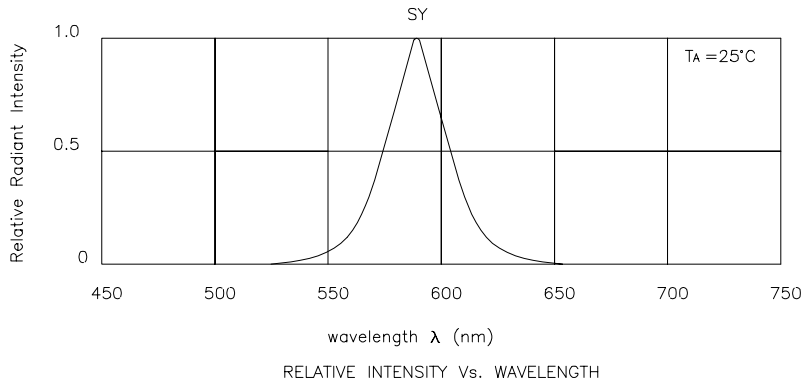
| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|----------------|--------------------------|---------------------|------|------|-------|-------------------------------|
| peak | Peak Wavelength | Super Bright Yellow | 590 | | nm | I _F = 20mA |
| D | Dominate Wavelength | Super Bright Yellow | 588 | | nm | I _F = 20mA |
| 1/2 | Spectral Line Half-width | Super Bright Yellow | 28 | | nm | I _F = 20mA |
| C | Capacitance | Super Bright Yellow | 25 | | pF | V _F = 0V; f = 1MHz |
| V _F | Forward Voltage | Super Bright Yellow | 2.0 | 2.5 | V | I _F = 20mA |
| I _R | Reverse Current | Super Bright Yellow | | 10 | uA | V _R = 5V |

Absolute Maximum Ratings at T_A=25 C

| Parameter | Super Bright Yellow | Units |
|-------------------------------|---------------------|-------|
| Power dissipation | 125 | mW |
| DC Forward Current | 30 | mA |
| Peak Forward Current [1] | 150 | mA |
| Reverse Voltage | 5 | V |
| Operating/Storage Temperature | -40 C To +85 C | |

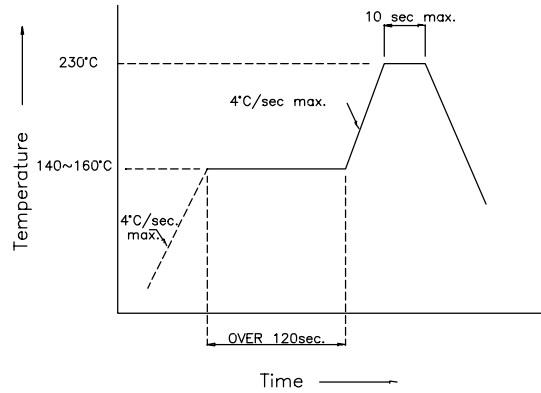
Note:

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

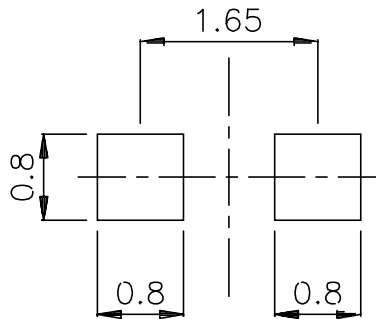


SMT Reflow Soldering Instructions

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)

