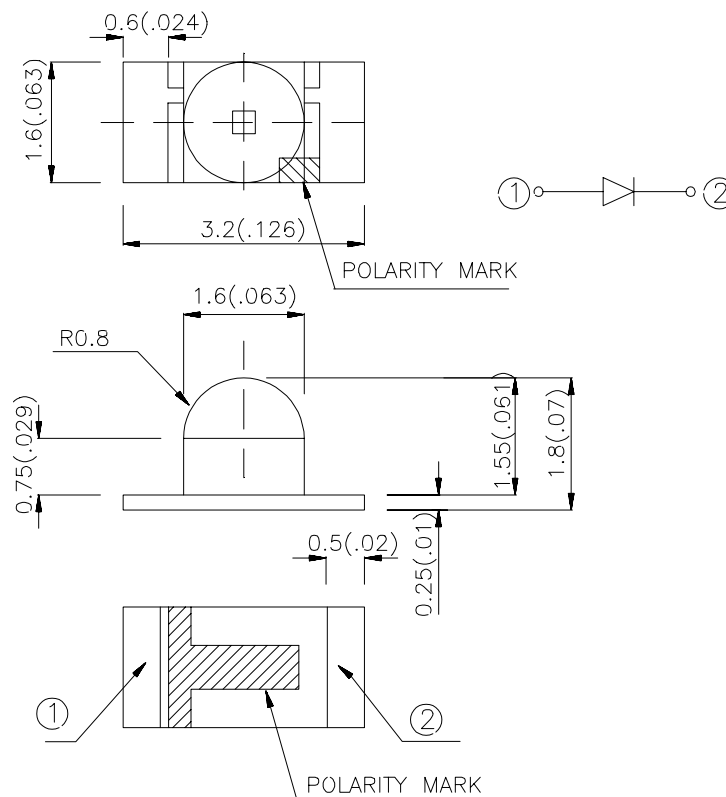


## GHB-1206L-Y

### Features

- ✓ 3.2mmx1.6mm SMTLED, 1.8mm THICKNESS.
- ✓ LOW POWER CONSUMPTION.
- ✓ WIDE VIEWING ANGLE.
- ✓ IDEAL FOR BACKLIGHT AND INDICATOR.
- ✓ VARIOUS COLORS AND LENS TYPES AVAILABLE.
- ✓ PACKAGE: 2000PCS / REEL.

### Package Dimens



### 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) @ 20 mA		Viewing Angle
			Min.	Typ.	
GHB-1206L-Y	SUPER BRIGHTYELLOW (InGaAlP)	WATER CLEAR	110	300	50

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<sub>A</sub>=25 C

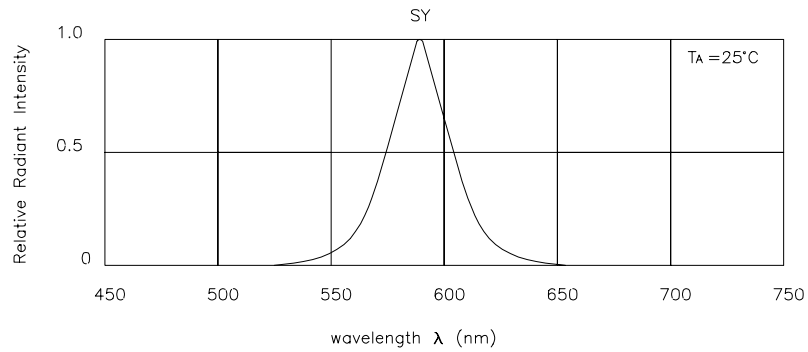
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
peak	Peak Wavelength	Super Bright Yellow	590		nm	I <sub>F</sub> =20mA
D	Dominate Wavelength	Super Bright Yellow	588		nm	I <sub>F</sub> =20mA
1/2	Spectral Line Half-width	Super Bright Yellow	28		nm	I <sub>F</sub> =20mA
C	Capacitance	Super Bright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

## Absolute Maximum Ratings at T<sub>A</sub>=25 C

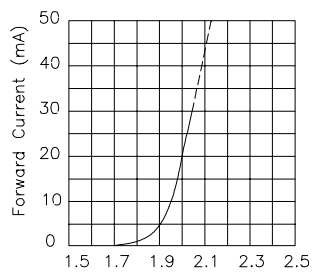
Parameter	Super Bright Yellow	Units
Power dissipation	125	W
DC Forward Current	30	A
Peak Forward Current [1]	150	m A
Reverse Voltage	5	V
Operating/Storage Temperature	-40 C To +85 C	

Note:

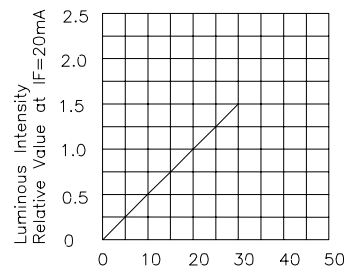
1. 1/10 Duty Cycle, 0.1ms Pulse Width.



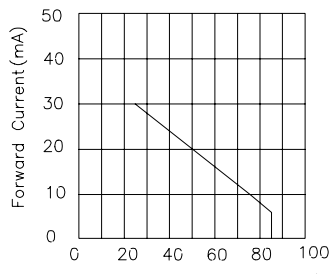
RELATIVE INTENSITY Vs. WAVELENGTH



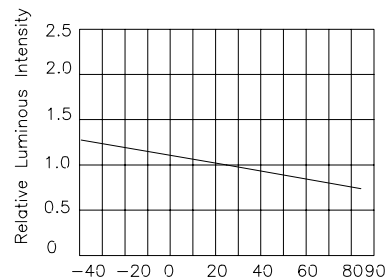
FORWARD CURRENT Vs.  
FORWARD VOLTAGE



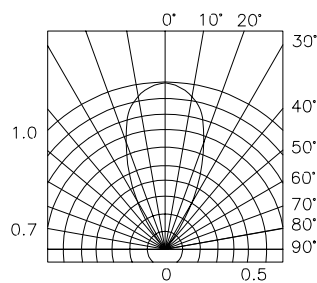
LUMINOUS INTENSITY Vs.  
FORWARD CURRENT



FORWARD CURRENT  
DERATING CURVE



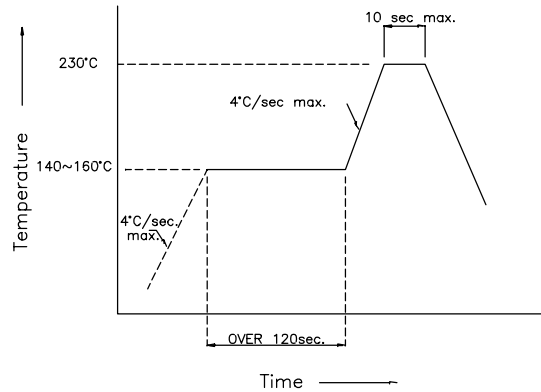
LUMINOUS INTENSITY Vs.  
AMBIENT TEMPERATURE



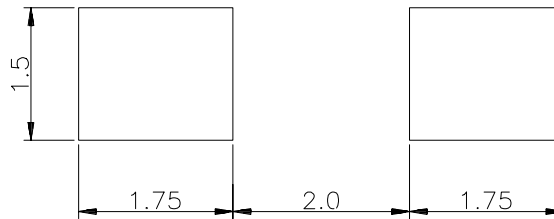
SPATIAL DISTRIBUTION

## 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)

