

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	
GHB-GW20-B	BLUE (InGaN)	WATER CLEAR	110	250	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

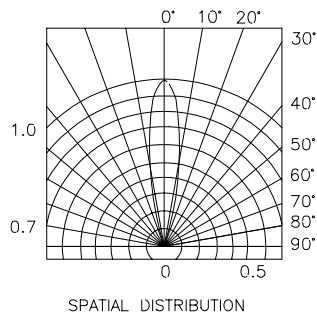
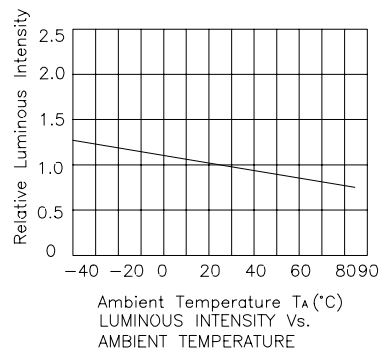
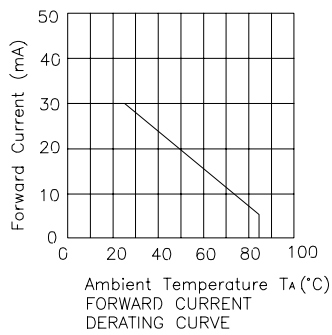
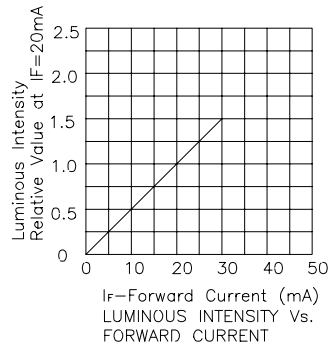
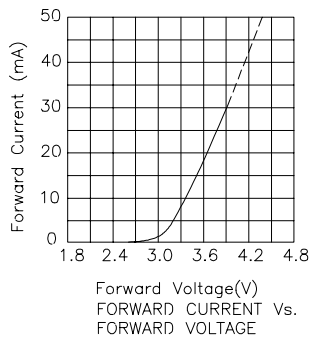
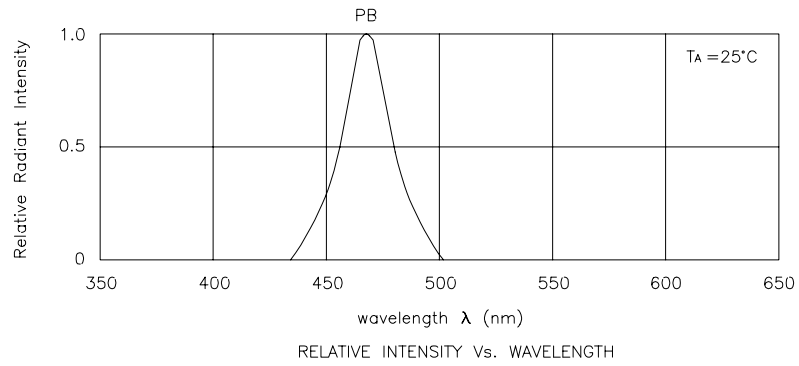
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
peak	Peak Wavelength	Blue	468		nm	I _F =20mA
D	Dominate Wavelength	Blue	470		nm	I _F =20mA
1/2	Spectral Line Half-width	Blue	25		nm	I _F =20mA
C	Capacitance	Blue	65		pF	V _F =0V,f=1MHz
V _F	Forward Voltage	Blue	3.65	4.2	V	I _F =20mA
I _R	Reverse Current	Blue		10	uA	V _R = 5V

Absolute Maximum Ratings at T_A=25 C

Parameter	Blue	Units
Power dissipation	102	mW
DC Forward Current	30	mA
Peak Forward Current [1]	160	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40 C To +85 C	

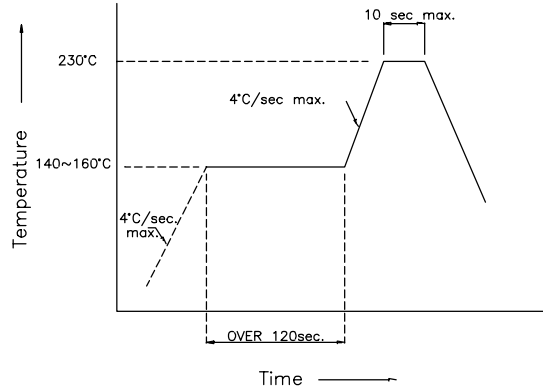
Note:

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

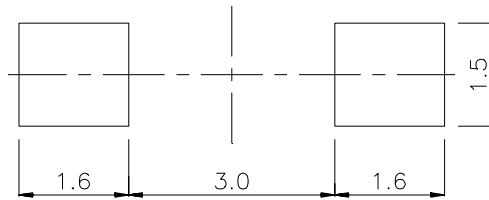


SMT Reflow Soldering Instructions

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)

