

## Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	2θ1/2
KPBD-3224SGNC	SUPER BRIGHT GREEN (GaP)	WATER CLEAR	18	60	20°
	PURE ORANGE (GaAsP/GaP)		18	60	

Note:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

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

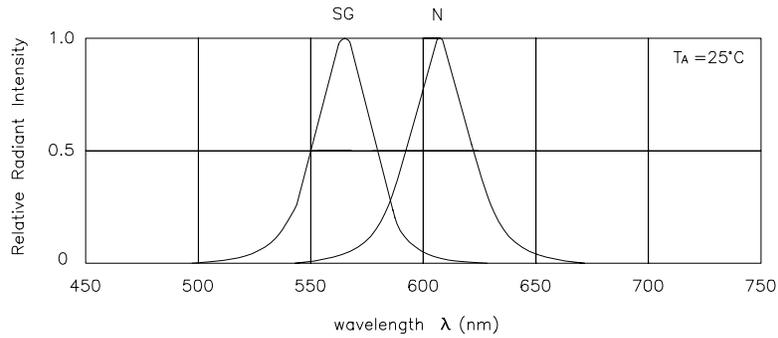
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ <sub>peak</sub>	Peak Wavelength	Super Bright Green Pure Orange	565 607		nm	I <sub>F</sub> =20mA
λ <sub>D</sub>	Dominate Wavelength	Super Bright Green Pure Orange	568 610		nm	I <sub>F</sub> =20mA
Δλ <sub>1/2</sub>	Spectral Line Half-width	Super Bright Green Pure Orange	30 35		nm	I <sub>F</sub> =20mA
C	Capacitance	Super Bright Green Pure Orange	15 15		pF	V <sub>F</sub> =0V;f=1MHz
V <sub>F</sub>	Forward Voltage	Super Bright Green Pure Orange	2.2 2.05	2.5 2.5	V	I <sub>F</sub> =20mA
I <sub>R</sub>	Reverse Current	All		10	uA	V <sub>R</sub> = 5V

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

Parameter	Super Bright Green	Pure Orange	Units
Power dissipation	105	105	mW
DC Forward Current	25	25	mA
Peak Forward Current [1]	140	145	mA
Reverse Voltage	5	5	V
Operating/Storage Temperature	-40°C To +85°C		

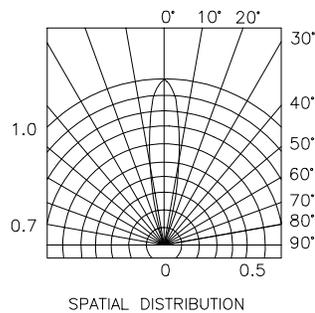
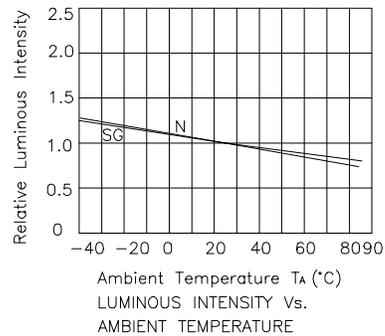
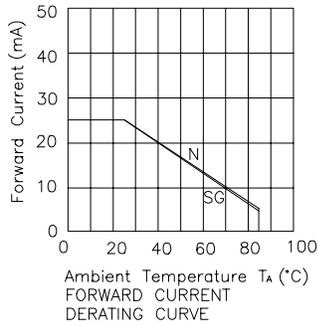
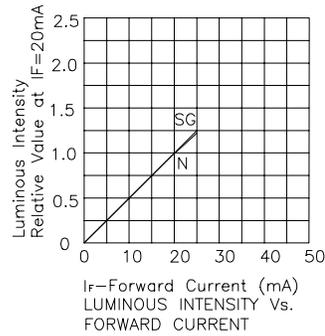
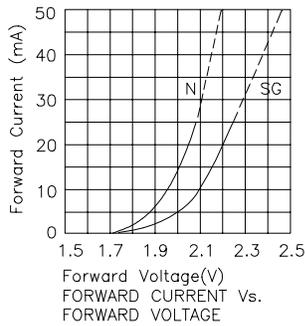
Note:

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



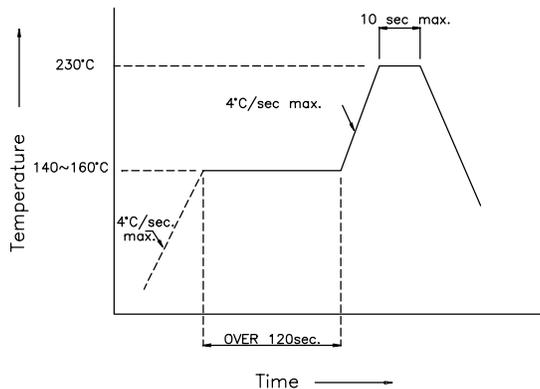
RELATIVE INTENSITY Vs. WAVELENGTH

## Super Bright Green / Pure Orange KPBD-3224SGNC

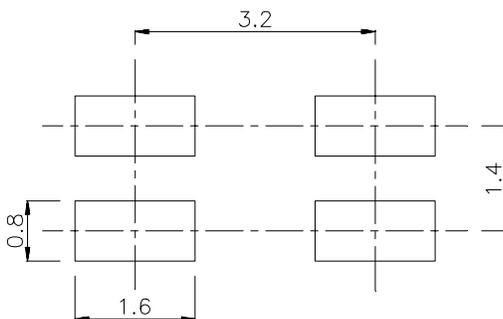


## KPBD-3224SGNC SMT Reflow Soldering Instructions

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)

