

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	2θ1/2
KPB-3025SRPGC-PRV	SUPER BRIGHT RED (GaAlAs)	WATER CLEAR	18	80	120°
	PURE GREEN (GaP)		1.6	5	

Note:

1. θ1/2 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

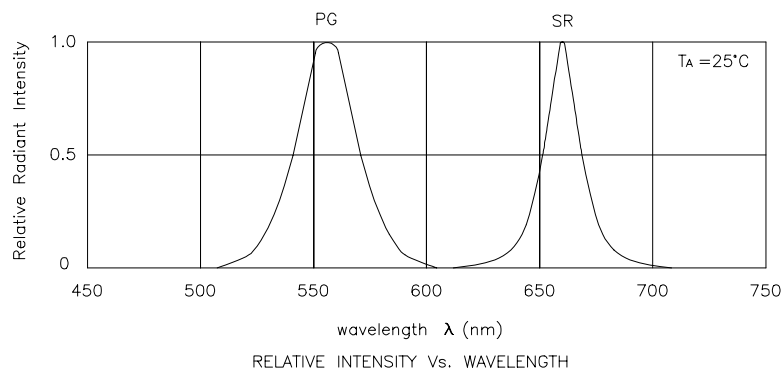
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Super Bright Red Pure Green	660 555		nm	I _F =20mA
λ _D	Dominate Wavelength	Super Bright Red Pure Green	640 555		nm	I _F =20mA
Δλ _{1/2}	Spectral Line Half-width	Super Bright Red Pure Green	20 30		nm	I _F =20mA
C	Capacitance	Super Bright Red Pure Green	45 45		pF	V _F =0V;f=1MHz
V _F	Forward Voltage	Super Bright Red Pure Green	1.85 2.25	2.5 2.5	V	I _F =20mA
I _R	Reverse Current	All		10	uA	V _R = 5V

Absolute Maximum Ratings at T_A=25°C

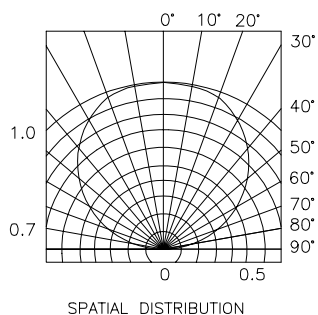
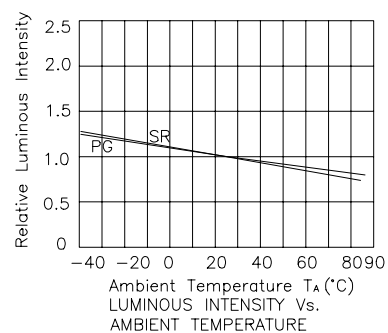
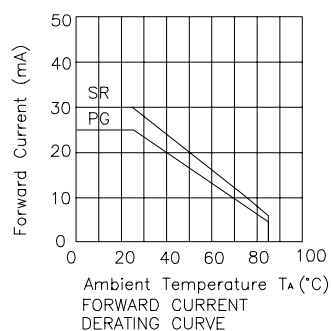
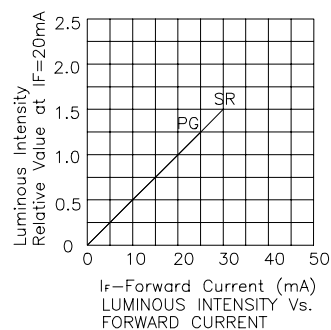
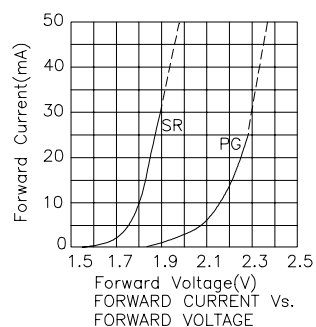
Parameter	Super Bright Red	Pure Green	Units
Power dissipation	100	105	mW
DC Forward Current	30	25	mA
Peak Forward Current [1]	155	135	mA
Reverse Voltage	5	5	V
Operating/Storage Temperature	-40°C To +85°C		

Note:

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

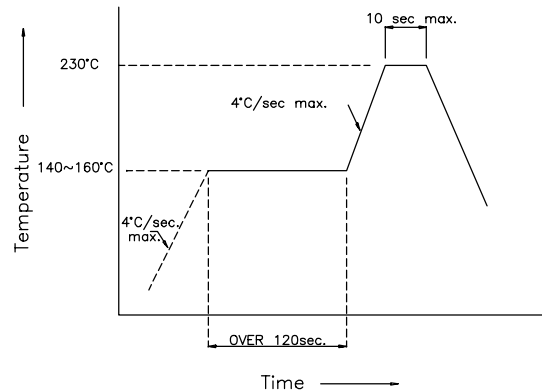


Super Bright Red / Pure Green KPB-3025SRPGC-PRV

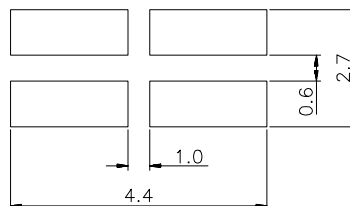


KPB-3025SRPGC-PRV SMT Reflow Soldering Instruction

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)

