

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	2θ1/2
KA-3020SGC	SUPER BRIGHT GREEN(GaP)	WATER CLEAR	7	30	90°

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

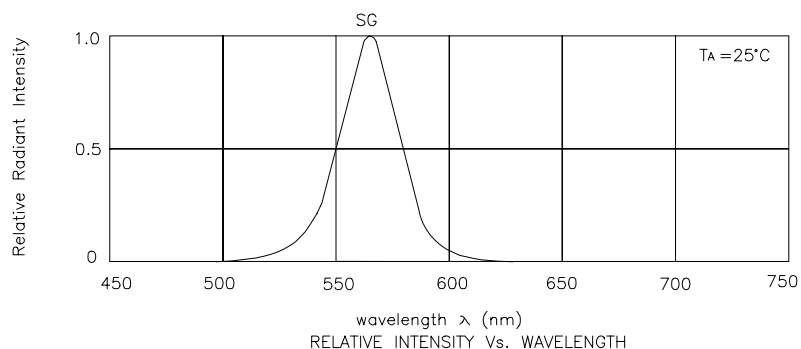
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Super Bright Green	565		nm	I _F =20mA
λ _D	Dominate Wavelength	Super Bright Green	568		nm	I _F =20mA
Δλ _{1/2}	Spectral Line Half-width	Super Bright Green	30		nm	I _F =20mA
C	Capacitance	Super Bright Green	15		pF	V _F =0V;f=1MHz
V _F	Forward Voltage	Super Bright Green	2.2	2.5	V	I _F =20mA
I _R	Reverse Current	Super Bright Green		10	μA	V _R = 5V

Absolute Maximum Ratings at T_A=25°C

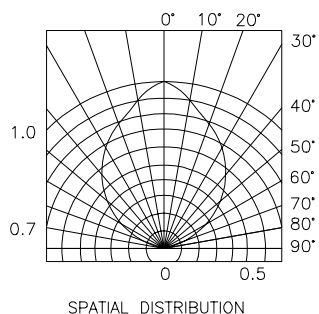
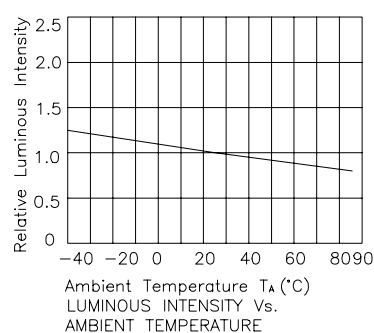
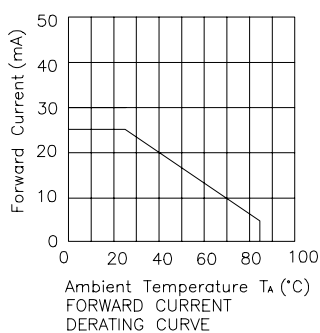
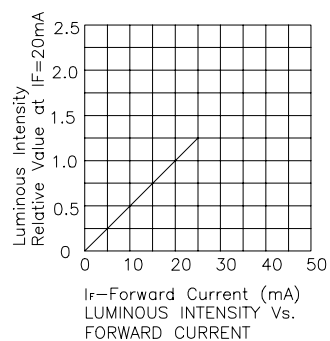
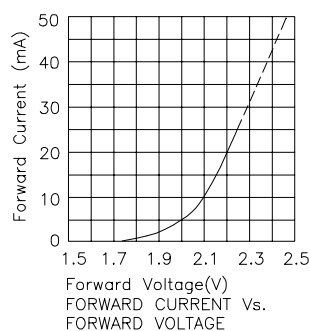
Parameter	Super Bright Green	Units
Power dissipation	105	mW
DC Forward Current	25	mA
Peak Forward Current [1]	140	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	

Note:

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



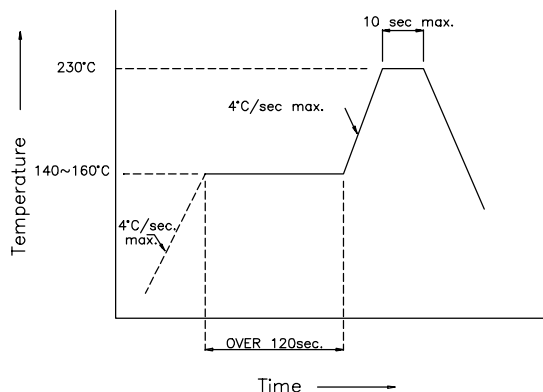
Super Bright Green KA-3020SGC



KA-3020SGC

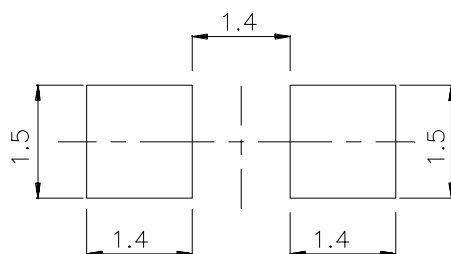
SMT Reflow Soldering Instruction

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)

