

Selection Guide

	Part No.	Dice	Lens Type	lv (mcd) @ 20 mA		Viewing Angle
				Min.	Тур.	201/2
	KPC-3216SGC	SUPER BRIGHT GREEN (GaP)	WATER CLEAR	4	15	120°

Note:

Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions	
λpeak	Peak Wavelength	Super Bright Green	565		nm	IF=20mA	
λD	Dominate Wavelength	Super Bright Green	568		nm	IF=20mA	
Δλ1/2	Spectral Line Half-width	Super Bright Green	30		nm	IF=20mA	
С	Capacitance	Super Bright Green	15		pF	V _F =0V;f=1MHz	
VF	Forward Voltage	Super Bright Green	2.2	2.5	V	IF=20mA	
IR	Reverse Current	Super Bright Green		10	uA	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	

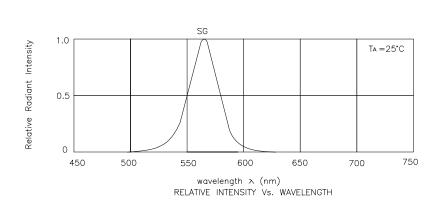
Note:

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

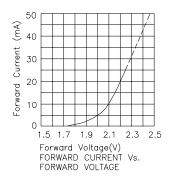
SPEC NO: DSAA5349 REV NO: V.5 DATE: DEC/11/2002 PAGE: 2 OF 4
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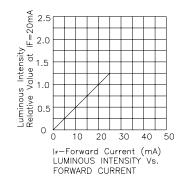
^{1.} θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

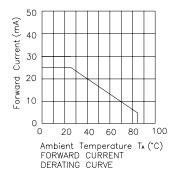
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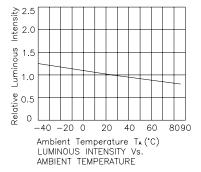


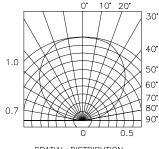
Super Bright Green KPC-3216SGC











SPATIAL DISTRIBUTION

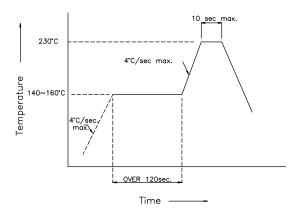
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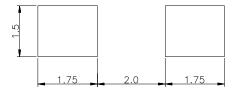
KPC-3216SGC

SMT Reflow Soldering Instructions

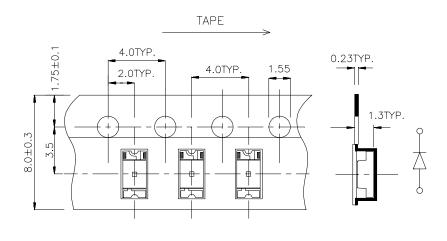
Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and second soldering process.



Recommended Soldering Pattern (Units:mm)



Tape Specifications (Units:mm)



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