

Electrical / Optical Characteristics at T_A=25°C

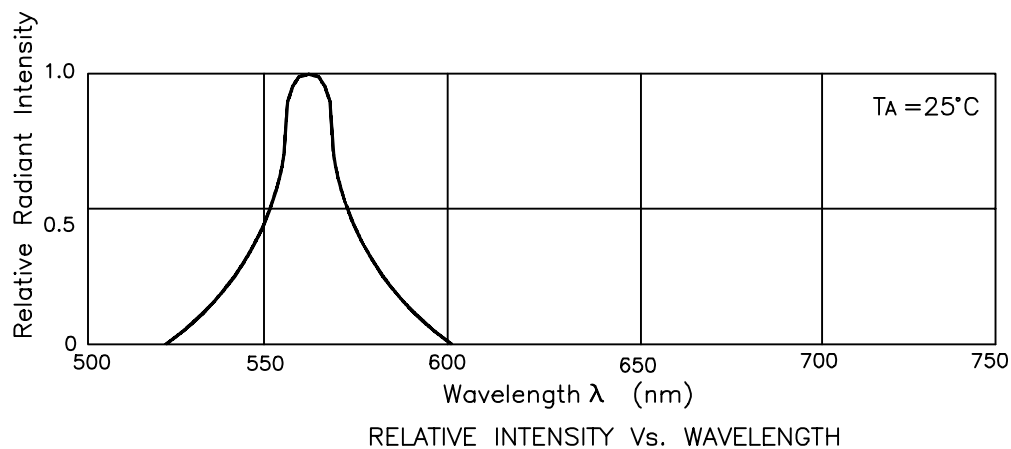
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Super Bright Green	565		nm	IF=2mA
$\Delta\lambda_{1/2}$	Spectral Line Halfwidth	Super Bright Green	30		nm	IF=2mA
C	Capacitance	Super Bright Green	45		pF	VF=0V;f=1MHz
V _F	Forward Voltage	Super Bright Green	1.9	2.2	V	IF=2mA
I _R	Reverse Current	All	10		uA	VR = 5V

Absolute Maximum Ratings at T_A=25°C

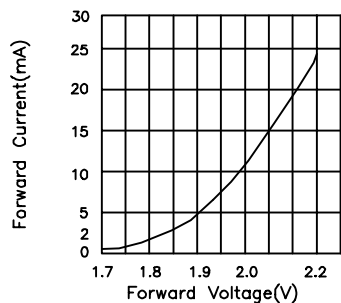
Parameter	Super Bright Green	Units
Power dissipation	105	mW
DC Forward Current	25	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	

Note:

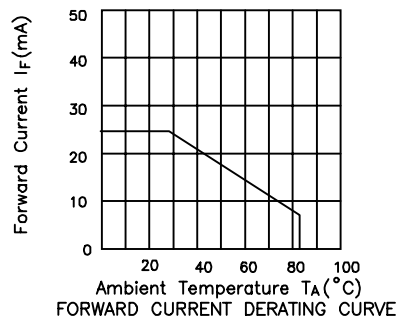
1. 1/10 Duty Cycle, 0.1ms Pulse Width.



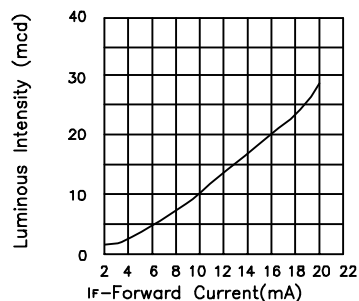
Super Bright Green KP-2012LSGC,KP-2012LSGD



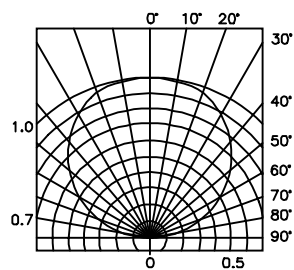
FORWARD CURRENT Vs. FORWARD VOLTAGE



FORWARD CURRENT DERATING CURVE

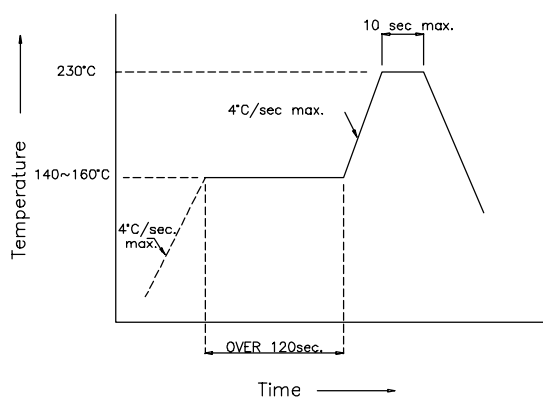


LUMINOUS INTENSITY Vs. FORWARD CURRENT



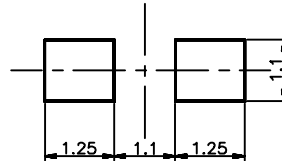
SPATIAL DISTRIBUTION

KP-2012LSGC,KP-2012LSGD SMT Reflow Soldering Instructions



KP-2012LSGC, KP-2012LSGD Recommended Soldering Pattern (Units : mm)

FOR REFLOW SOLDERING



KP-2012LSGC, KP-2012LSGD Tape Specifications (Units : mm)

