

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Typ.	2θ1/2
AM2520EH/SGD	Super Bright Green (GaP)	GREEN DIFFUSED	2.6	10	40°

Notes:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
2. Luminous intensity/ luminous Flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Green	565		nm	If=20mA
λD [1]	Dominant Wavelength	Super Bright Green	568		nm	If=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Green	30		nm	If=20mA
C	Capacitance	Super Bright Green	15		pF	Vf=0V;f=1MHz
Vf [2]	Forward Voltage	Super Bright Green	2.2	2.5	V	If=20mA
IR	Reverse Current	Super Bright Green		10	uA	VR = 5V

Notes:

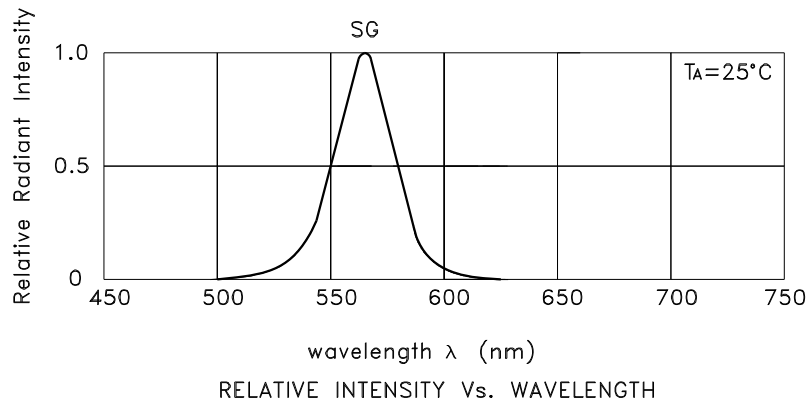
- 1.Wavelength: +/-1nm.
2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Green	Units
Power dissipation	62.5	mW
DC Forward Current	25	mA
Peak Forward Current [1]	140	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 3 Seconds	
Lead Solder Temperature [3]	260°C For 5 Seconds	

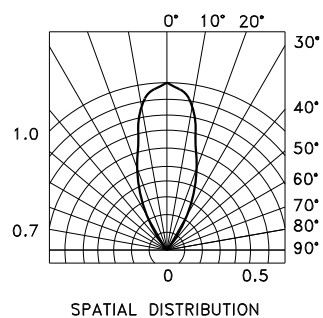
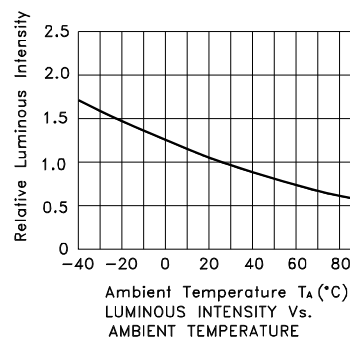
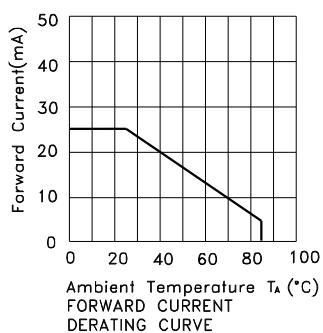
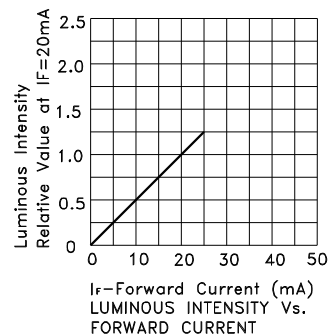
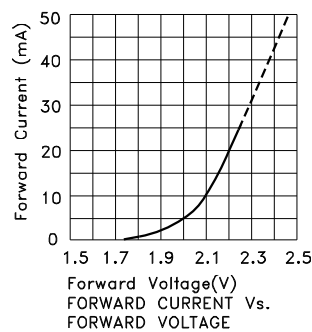
Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.
3. 5mm below package base.



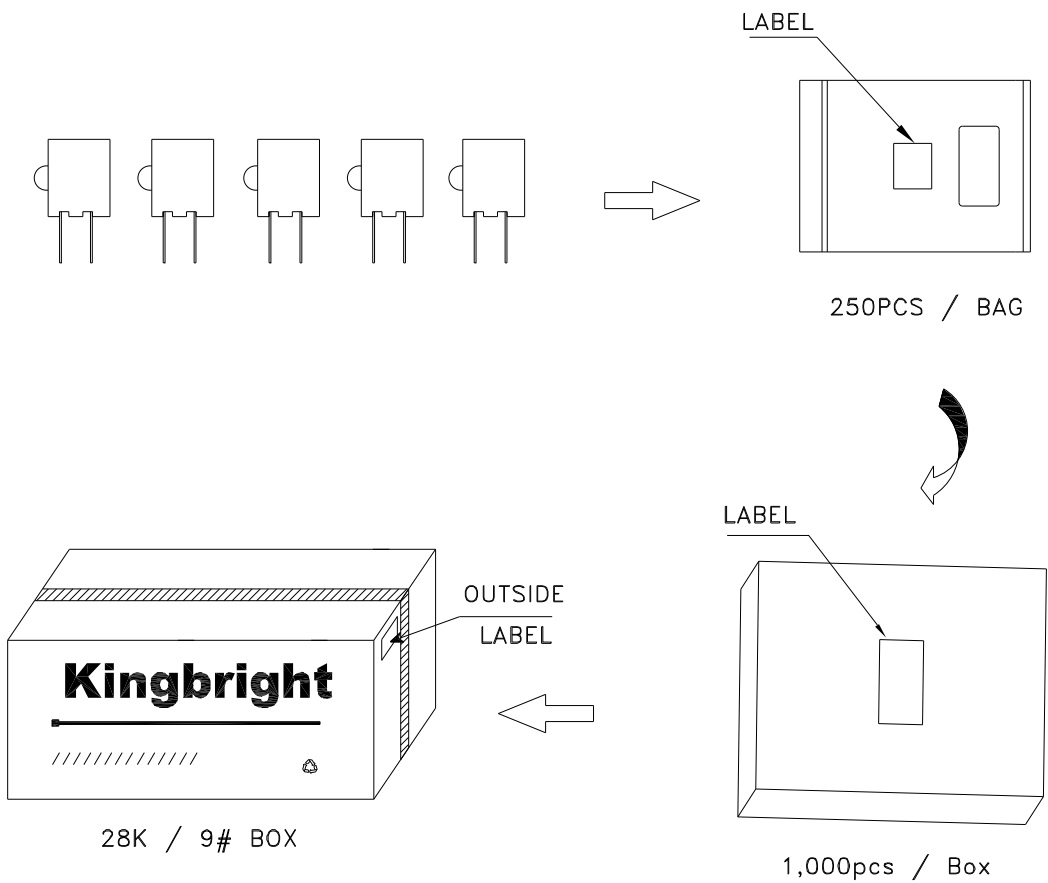
Super Bright Green

AM2520EH/SGD



PACKING & LABEL SPECIFICATIONS

AM2520EH/SGD



Kingbright				
P/NO: AM2520EH/xxx				
QTY: 1,000 pcs	Q.C. <table border="1"><tr><td>Q C</td></tr><tr><td>xx xx xxxx</td></tr><tr><td>PASSED</td></tr></table>	Q C	xx xx xxxx	PASSED
Q C				
xx xx xxxx				
PASSED				
S/N: XXXX				
CODE: XXX				
LOT NO:				
				
RoHS Compliant				