

Part Number: AM2520EH/SGD5V

Super Bright Green

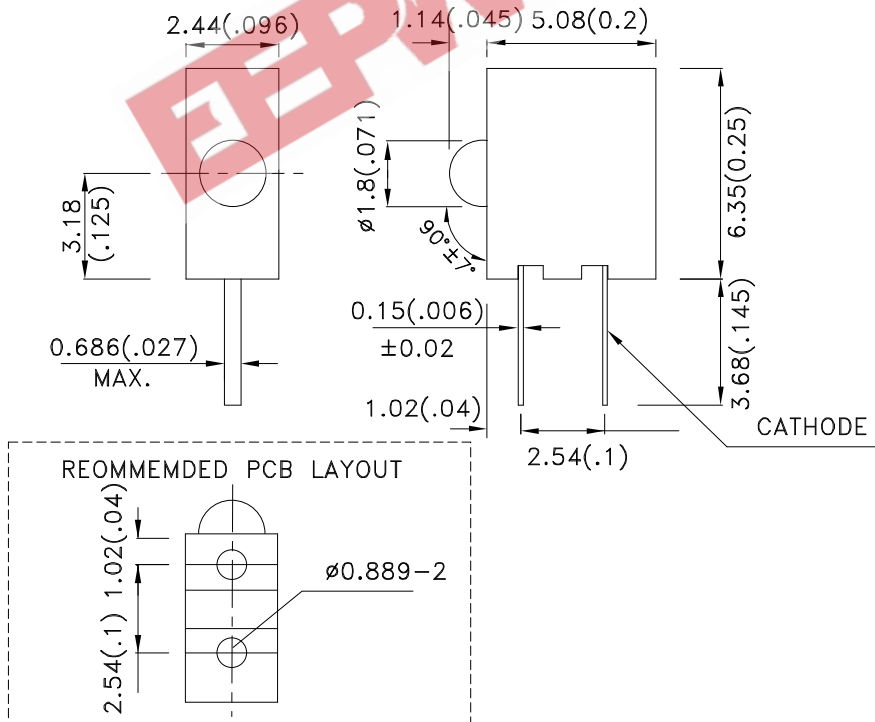
### Features

- BLACK CASE ENHANCES CONTRAST.
- VIBRATION AND SHOCK RESISTANT.
- UL RATING:94V-0.
- HOUSING MATERIAL:TYPE 66 NYLON.
- 5V INTERNAL RESISTOR.
- RoHS COMPLIANT.

### Description

The Super Bright Green source color devices are made with Gallium Phosphide Green Light Emitting Diode.

### Package Dimensions



### Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$ " unless otherwise noted.
3. Lead spacing is measured where the leads emerge from the package.
4. Specifications are subject to change without notice.



## Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) [2] V= 5V		Viewing Angle [1]
			Min.	Typ.	2θ1/2
AM2520EH/SGD5V	Super Bright Green (GaP)	GREEN DIFFUSED	1.8	8	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
λ <sub>peak</sub>	Peak Wavelength	Super Bright Green	565		nm	V <sub>F</sub> =5V
λ <sub>D</sub> [1]	Dominant Wavelength	Super Bright Green	568		nm	V <sub>F</sub> =5V
Δλ <sub>1/2</sub>	Spectral Line Half-width	Super Bright Green	30		nm	V <sub>F</sub> =5V
I <sub>F</sub>	Forward Current	Super Bright Green	11.5	17.5	mA	V <sub>F</sub> =5V
I <sub>R</sub>	Reverse Current	Super Bright Green		10	μA	V <sub>R</sub> = 5V

Note:

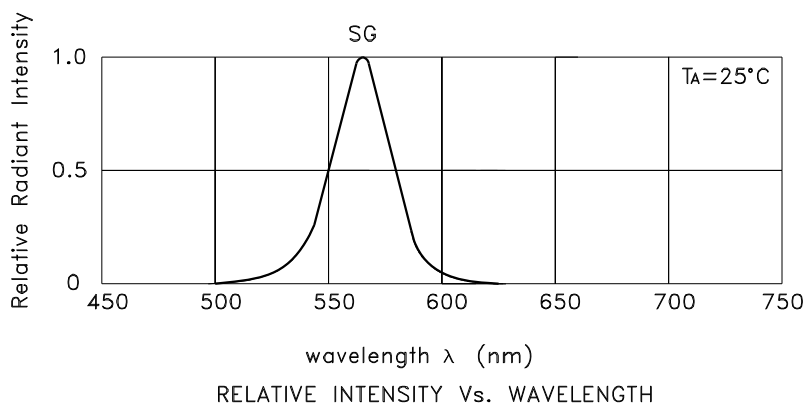
- 1.Wavelength: +/-1nm.

## Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Green	Units
Power dissipation	85	mW
Forward Voltage	6	V
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [1]	260°C For 3 Seconds	
Lead Solder Temperature [2]	260°C For 5 Seconds	

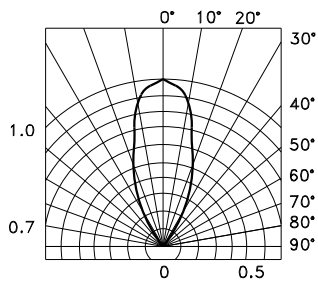
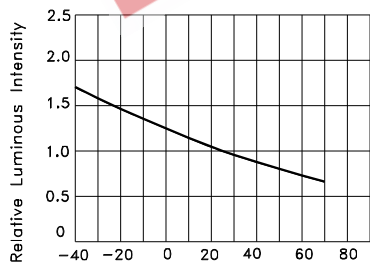
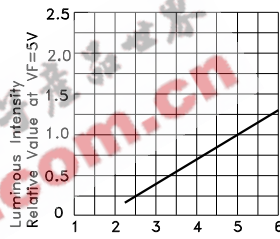
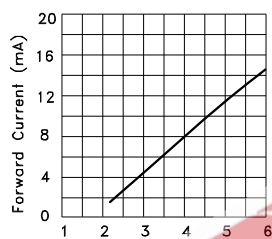
Notes:

1. 2mm below package base.
2. 5mm below package base.



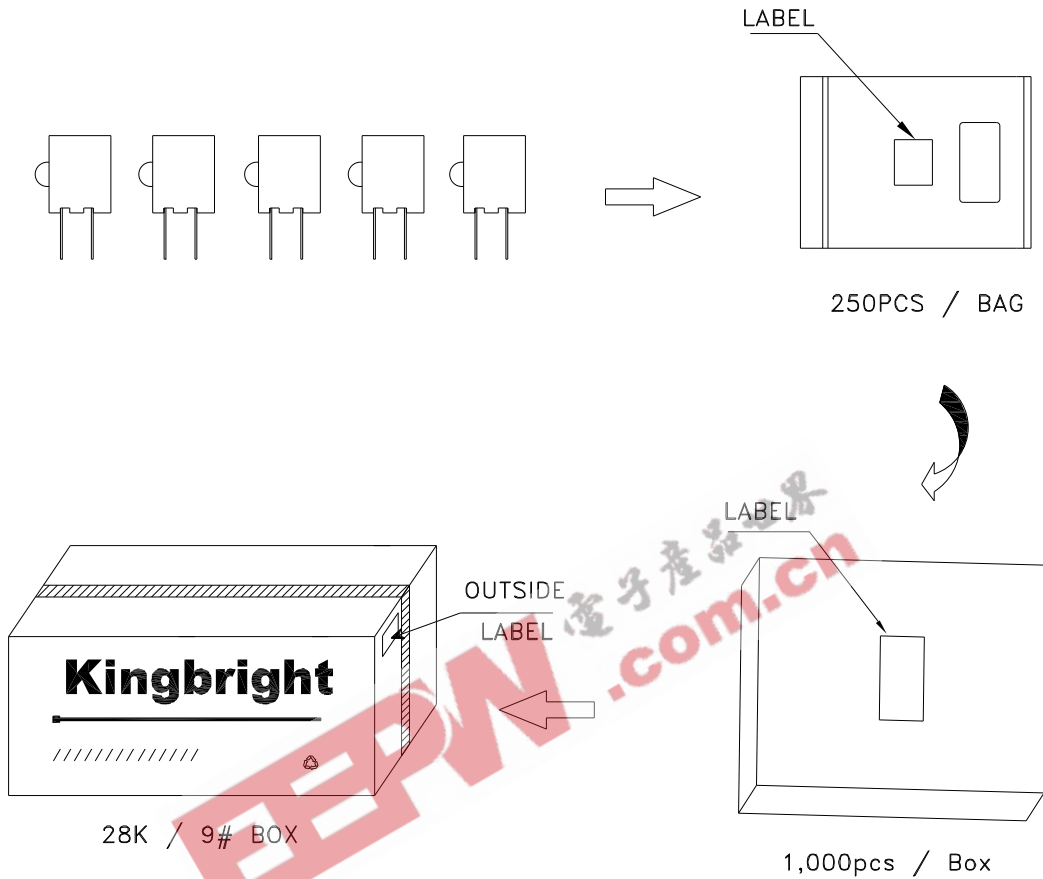
## Super Bright Green


## AM2520EH/SGD5V



**PACKING & LABEL SPECIFICATIONS**

**AM2520EH/SGD5V**



<b>Kingbright</b>	
P/NO: AM2520EH/xxx	
QTY: 1,000 pcs	Q.C. <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Q C xx xx xxxx PASSED</span>
S/N: XXXX	
CODE: XXX	
LOT NO:	
 <small>XXXXXXXXXXXXXXXXXXXXXXXXXXXX</small>	
RoHS Compliant	