

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) [2] V= 5V		Viewing Angle [1]
			Min.	Typ.	2θ1/2
AM2520EF/4SGD5V	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 _{peak}	Peak Wavelength	Super Bright Green	565		nm	V _F =5V
λ _D [1]	Dominant Wavelength	Super Bright Green	568		nm	V _F =5V
Δλ _{1/2}	Spectral Line Half-width	Super Bright Green	30		nm	V _F =5V
I _F	Forward Current	Super Bright Green	11.5	17.5	mA	V _F =5V
I _R	Reverse Current	Super Bright Green		10	μA	V _R = 5V

Note:

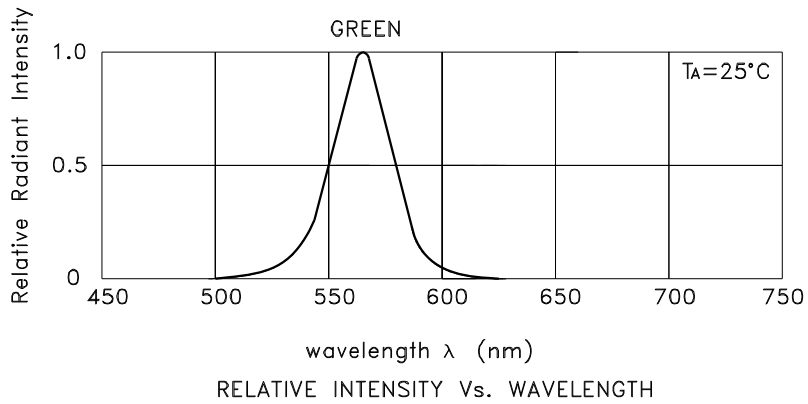
- 1.Wavelength: +/-1nm.

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	

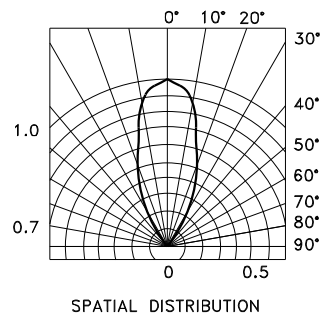
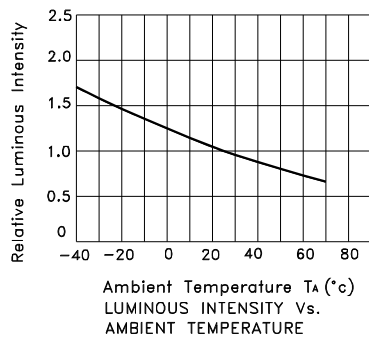
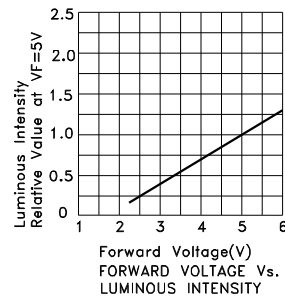
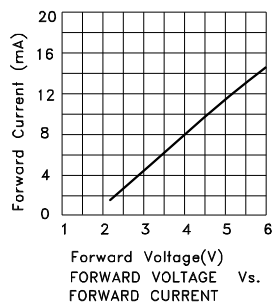
Notes:

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



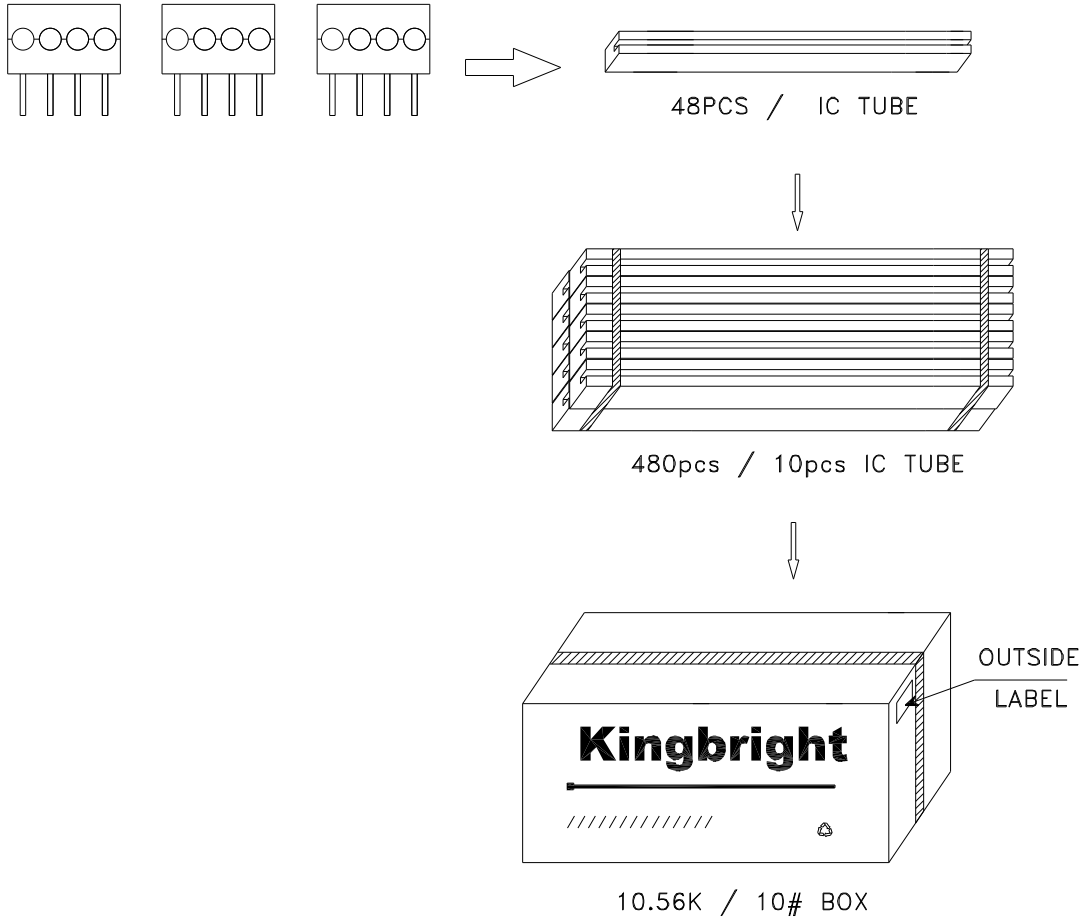
Super Bright Green

AM2520EF/4SGD5V



PACKING & LABEL SPECIFICATIONS

AM2520EF/4SGD5V



<h2>Kingbright</h2>				
P/N0: AM2520EFxxx				
QTY: 480 pcs	Q.C.			
S/N: XXXX	<table border="1" style="border-radius: 50%; width: 40px; height: 40px; margin: auto;"> <tr> <td style="text-align: center;">Q C</td> </tr> <tr> <td style="text-align: center;">xx xx xxxx</td> </tr> <tr> <td style="text-align: center;">PASSED</td> </tr> </table>	Q C	xx xx xxxx	PASSED
Q C				
xx xx xxxx				
PASSED				
CODE: XXX				
LOT NO:				
<small>XXXXXXXXXXXXXXXXXXXXXXXXXXXX</small> RoHS Compliant				