



## Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) [2] V= 5V		Viewing Angle [1]
			Min.	Typ.	2θ1/2
AM2520EG/4ID5V	High Efficiency Red (GaAsP/GaP)	RED 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	High Efficiency Red	627		nm	V <sub>F</sub> =5V
λ <sub>D</sub> [1]	Dominant Wavelength	High Efficiency Red	625		nm	V <sub>F</sub> =5V
Δλ <sub>1/2</sub>	Spectral Line Half-width	High Efficiency Red	45		nm	V <sub>F</sub> =5V
I <sub>F</sub>	Forward Current	High Efficiency Red	13	17.5	mA	V <sub>F</sub> =5V
I <sub>R</sub>	Reverse Current	High Efficiency Red		10	μA	V <sub>R</sub> = 5V

Note:

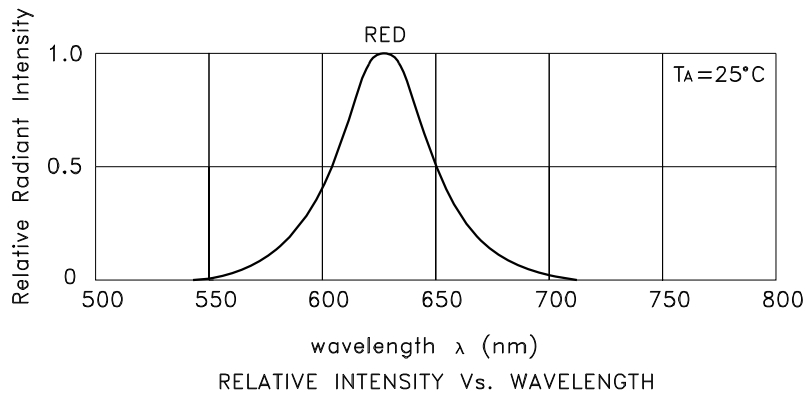
- 1.Wavelength: +/-1nm.

## Absolute Maximum Ratings at TA=25°C

Parameter	High Efficiency Red	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	

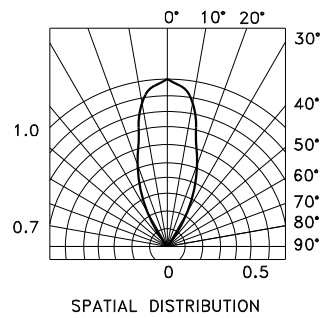
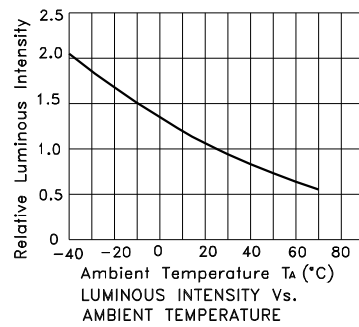
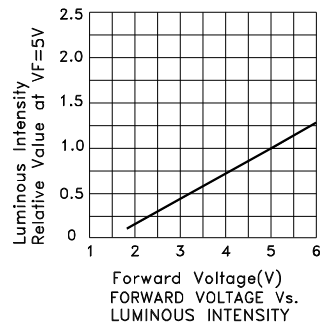
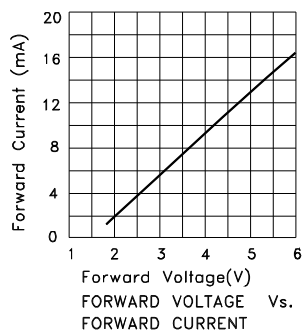
Notes:

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



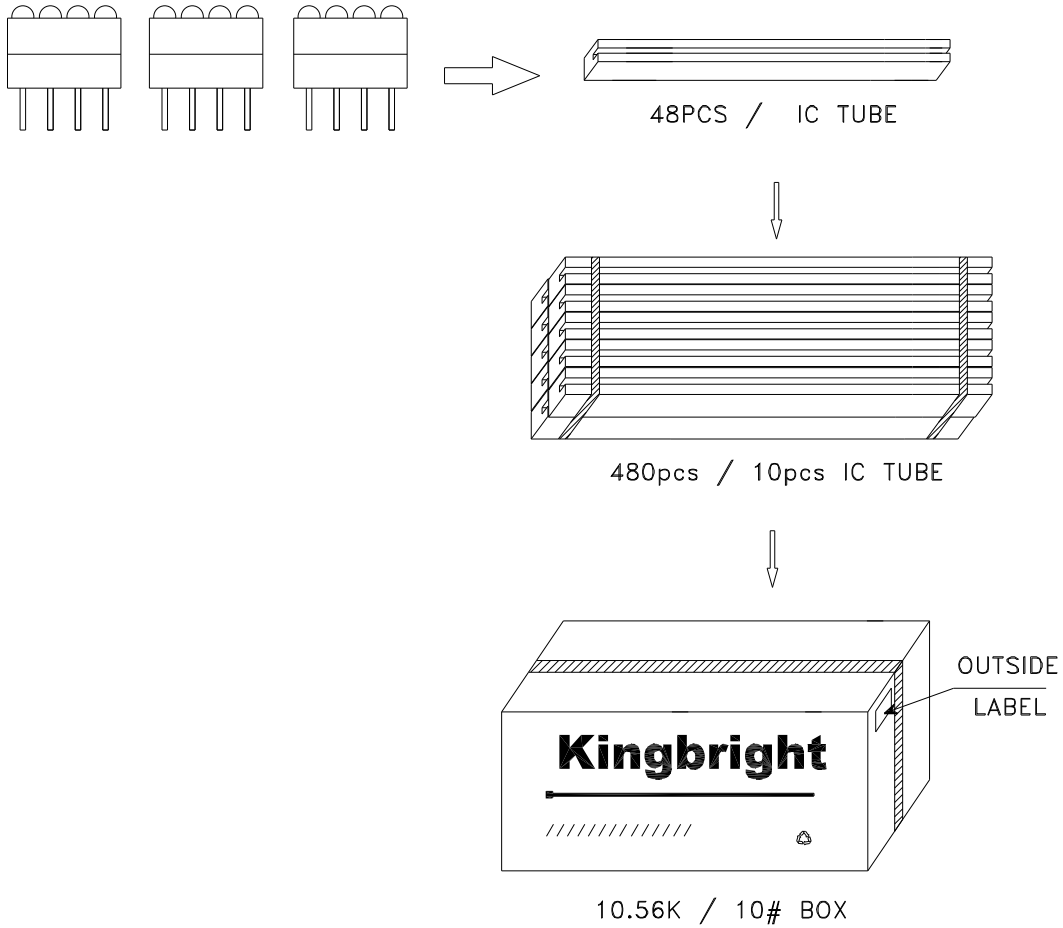
## High Efficiency Red


## AM2520EG/4ID5V



**PACKING & LABEL SPECIFICATIONS**

**AM2520EG/4ID5V**



<h1>Kingbright</h1>	
P/NO: AM2520EGxxx	
QTY: 480 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:	
 xxxxxxxxxxxxxxxxxxxxxxxx	
RoHS Compliant	