



## Selection Guide

| Part No.       | Dice               | Lens Type       | Iv (mcd) [2]<br>V= 5V |      | Viewing Angle [1] |
|----------------|--------------------|-----------------|-----------------------|------|-------------------|
|                |                    |                 | Min.                  | Typ. | 2 $\theta$ 1/2    |
| AM2520EF/4YD5V | Yellow (GaAsP/GaP) | YELLOW DIFFUSED | 1                     | 3    | 40°               |

Notes:

1.  $\theta$ 1/2 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     |
|-----------------------|--------------------------|--------|------|------|-------|---------------------|
| $\lambda_{peak}$      | Peak Wavelength          | Yellow | 590  |      | nm    | V <sub>F</sub> =5V  |
| $\lambda_D$ [1]       | Dominant Wavelength      | Yellow | 588  |      | nm    | V <sub>F</sub> =5V  |
| $\Delta\lambda_{1/2}$ | Spectral Line Half-width | Yellow | 35   |      | nm    | V <sub>F</sub> =5V  |
| I <sub>F</sub>        | Forward Current          | Yellow | 13   | 17.5 | mA    | V <sub>F</sub> =5V  |
| I <sub>R</sub>        | Reverse Current          | Yellow |      | 10   | uA    | V <sub>R</sub> = 5V |

Note:

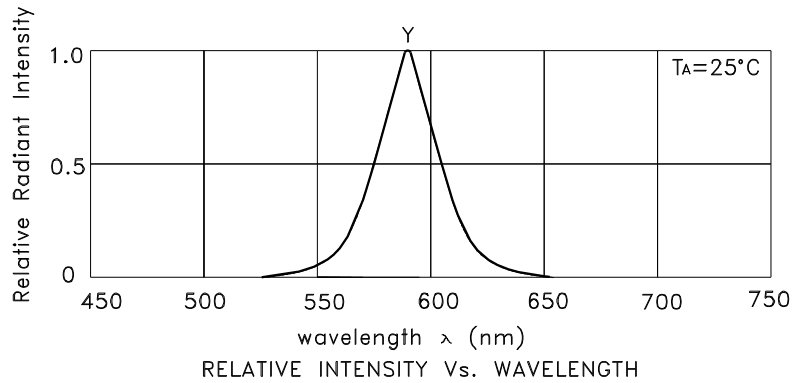
1. Wavelength: +/-1nm.

## Absolute Maximum Ratings at TA=25°C

| Parameter                   | Yellow              | 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 |       |

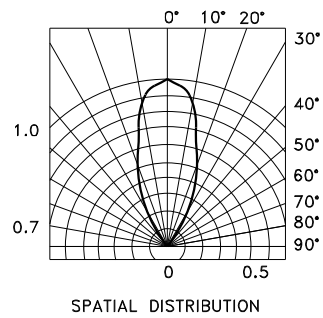
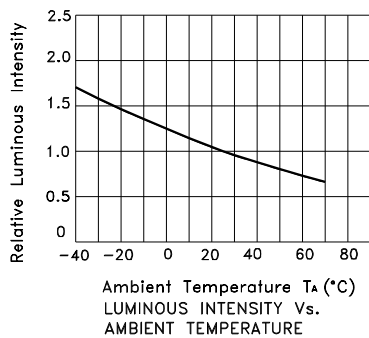
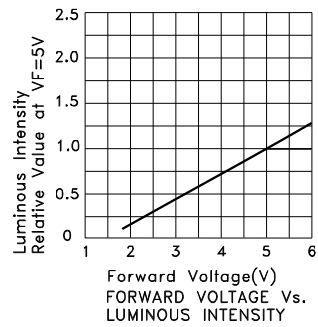
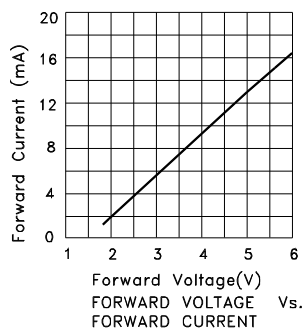
Notes:

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



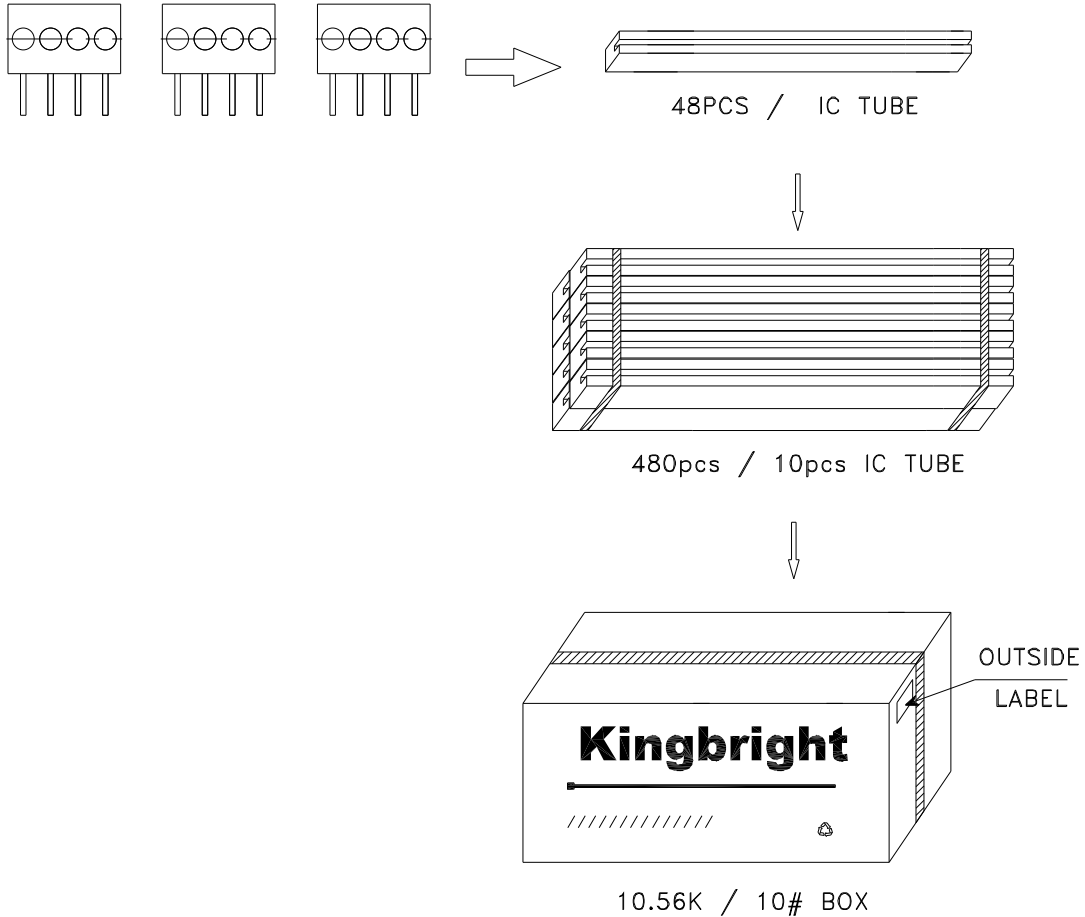
Yellow


AM2520EF/4YD5V



**PACKING & LABEL SPECIFICATIONS**

**AM2520EF/4YD5V**



|  |                          |
|--|--------------------------|
| <b>Kingbright</b>  |                          |
| Q.C.   | QC<br>XX XX XX<br>PASSED |
| TYPE NO : AM2520EFxxx  |                          |
| QUANTITY : 480 pcs   |                          |
| S/N : XX   | CODE: XX                 |
| LOT NO : <br>XX-HPXXX |                          |
| RoHS Compliant   |                          |