

Part Number: AM2520EJ/YD5V

Yellow

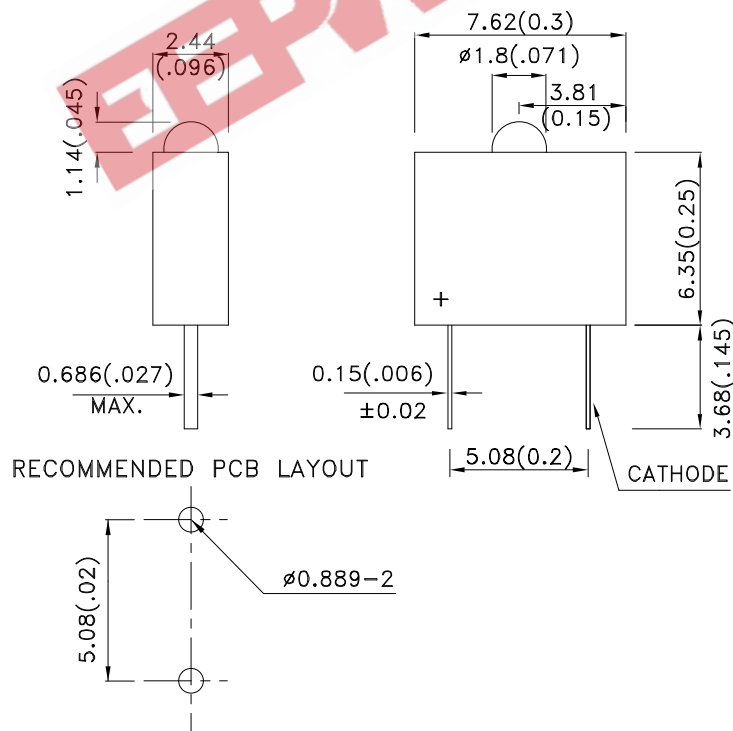
Features

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

Description

The Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow 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
AM2520EJ/YD5V	Yellow (GaAsP/GaP)	YELLOW DIFFUSED	1	3	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	Yellow	590		nm	V _F =5V
λ _D [1]	Dominant Wavelength	Yellow	588		nm	V _F =5V
Δλ _{1/2}	Spectral Line Half-width	Yellow	35		nm	V _F =5V
I _F	Forward Current	Yellow	13	17.5	mA	V _F =5V
I _R	Reverse Current	Yellow		10	μA	V _R = 5V

Note:

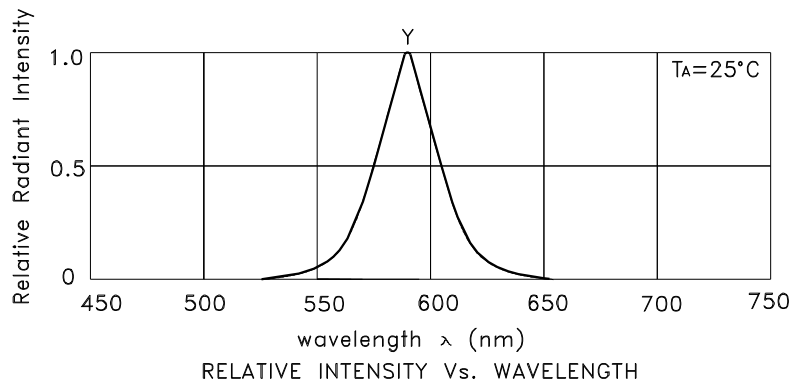
- 1.Wavelength: +/-1nm.

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	

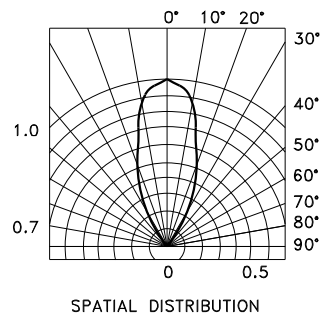
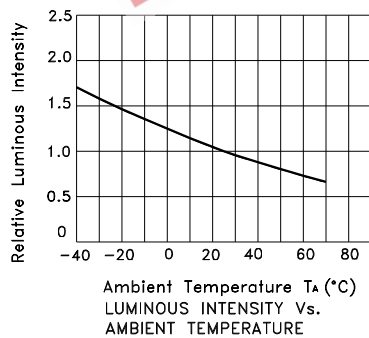
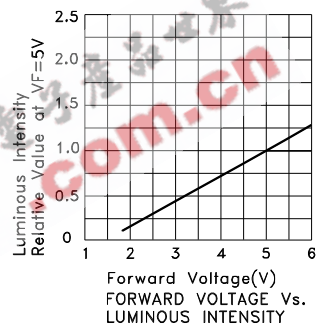
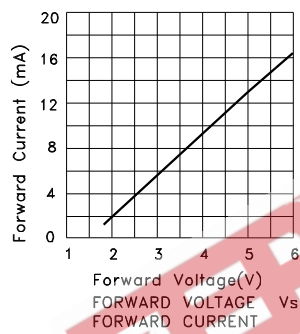
Notes:

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



Yellow

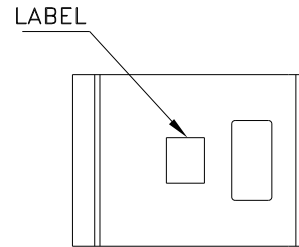
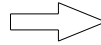
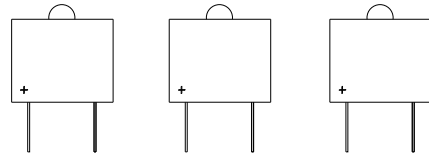
AM2520EJ/YD5V



Kingbright

PACKING & LABEL SPECIFICATIONS

AM2520EJ/YD5V

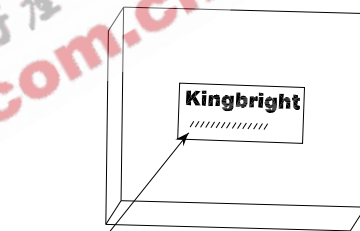


250PCS / BAG




28K / 9# BOX

OUTSIDE LABEL



1,000pcs / Box

LABEL

Kingbright	
Q.C.	QC XX XX XX PASSED
TYPE NO : AM2520EJxxx	
QUANTITY : 1,000 pcs	
S/N : XX	CODE: XX
LOT NO : 	
RoHS Compliant	