

Part Number: KM2520EH/1YD-5V

Yellow

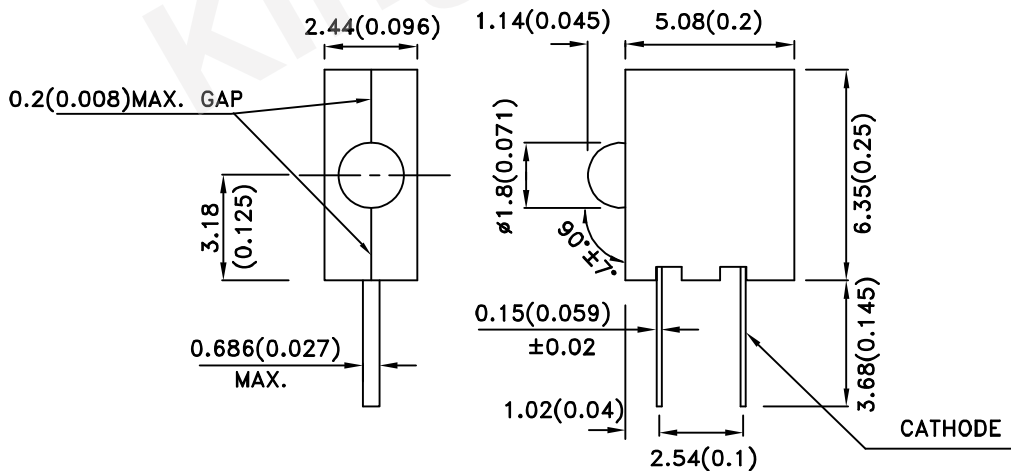
Features

- Black case enhances contrast.
- Vibration and shock resistant.
- Housing 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. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.



Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) [2] V= 5V		Viewing Angle [1]
			Min.	Typ.	2θ1/2
KM2520EH/1YD-5V	Yellow (GaAsP/GaP)	Yellow Diffused	1.2	3	40°

Notes:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.
2. Luminous intensity/ luminous Flux: +/-15%.
3. Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

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
$\Delta\lambda_{1/2}$	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	uA	V _R = 5V

Notes:

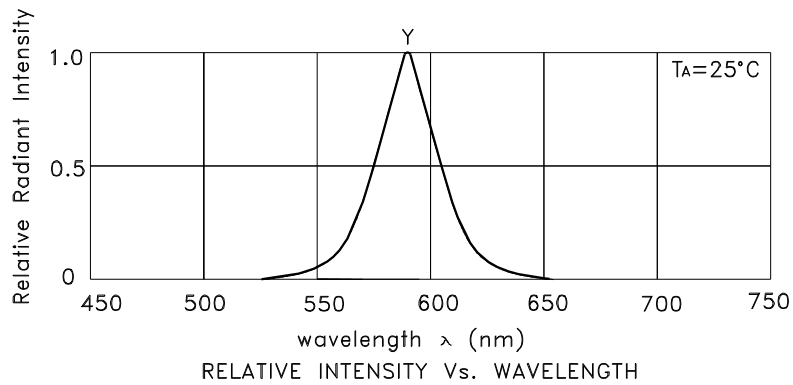
- 1.Wavelength: +/-1nm.
- 2.Wavelength value is traceable to the CIE127-2007 compliant national standards.

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	

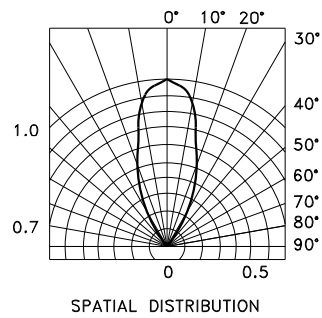
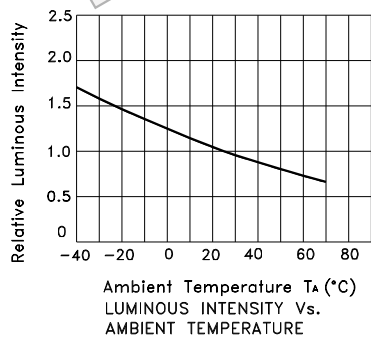
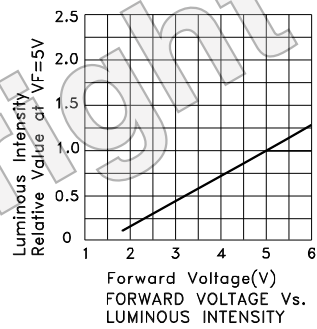
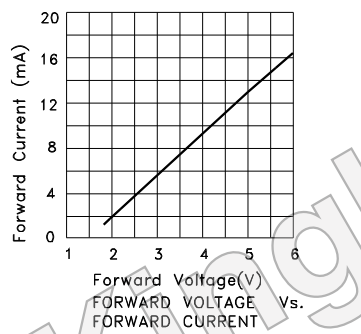
Notes:

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



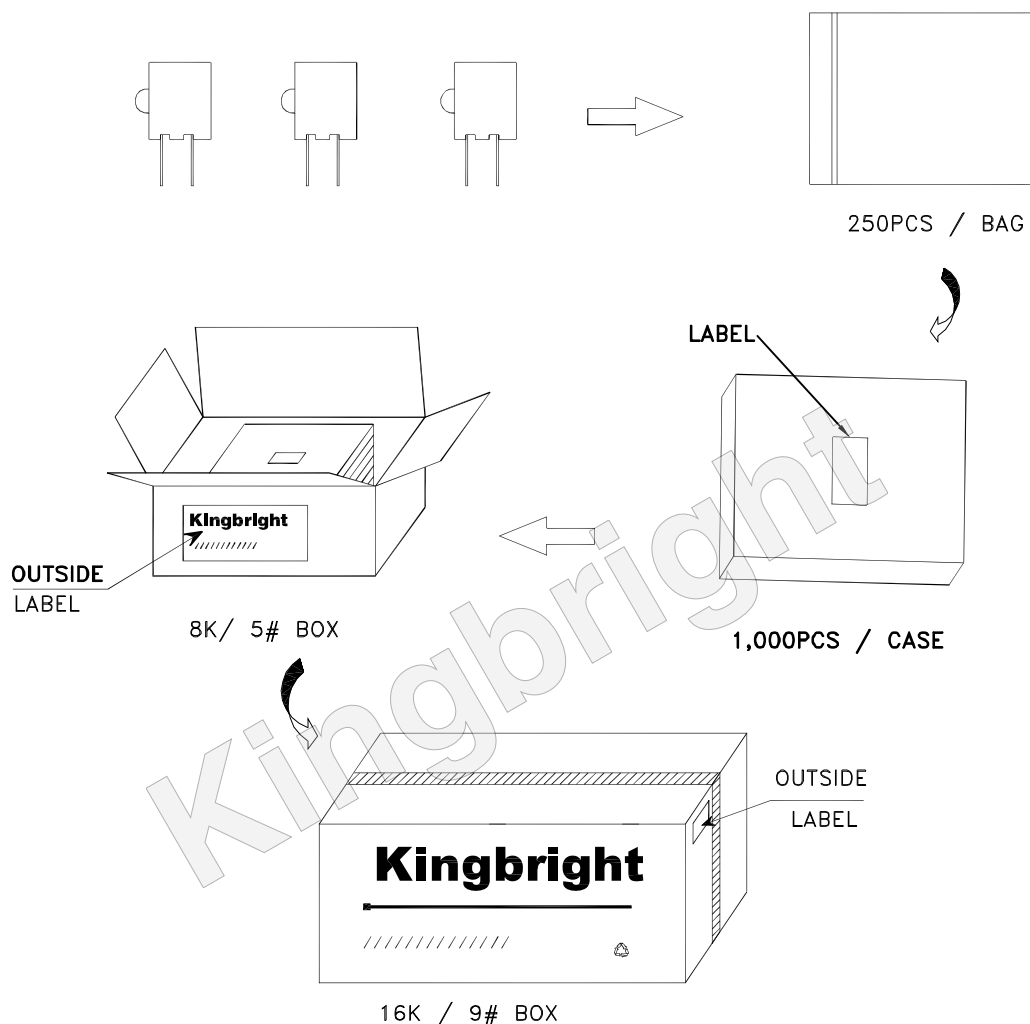
Yellow


KM2520EH/1YD-5V



PACKING & LABEL SPECIFICATIONS

KM2520EH/1YD-5V



Kingbright	
P/NO: KM2520EHxxx	
QTY: 1000 pcs	Q.C. Q C XX XX XXXX PASSED
S/N: XXXX	
CODE: XXX	
LOT NO:	
 xxxxxxxxxxxxxxxxxxxxxxxxxxxx	
RoHS Compliant	

