SUBMINIATURE SOLID STATE LAMP

Part Number: KM2520EG/4YD-5V Yellow

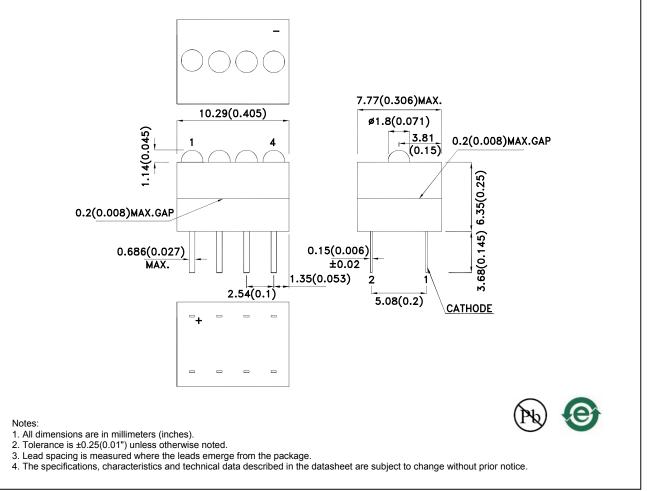
Features

- 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



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Selection Guide		Iv (mcd)				
Part No.	Dice	Lens Type	V= 5V		Angle [1]	
			Min.	Тур.	201/2	
KM2520EG/4YD-5V	Yellow (GaAsP/GaP)	Yellow Diffused	1.2	3	40°	

Notes:

1. θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.

Luminous intensity/ luminous Flux: +/-15%.
Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Yellow	590		nm	VF=5V
λD [1]	Dominant Wavelength	Yellow	588		nm	VF=5V
Δλ1/2	Spectral Line Half-width	Yellow	35		nm	VF=5V
lf	Forward Current	Yellow	13	17.5	mA	VF=5V
IR	Reverse Current	Yellow		10	uA	VR = 5V

Notes:

1.Wavelength: +/-1nm.

2. Wavelength value is traceable to the CIE127-2007 compliant national standards.

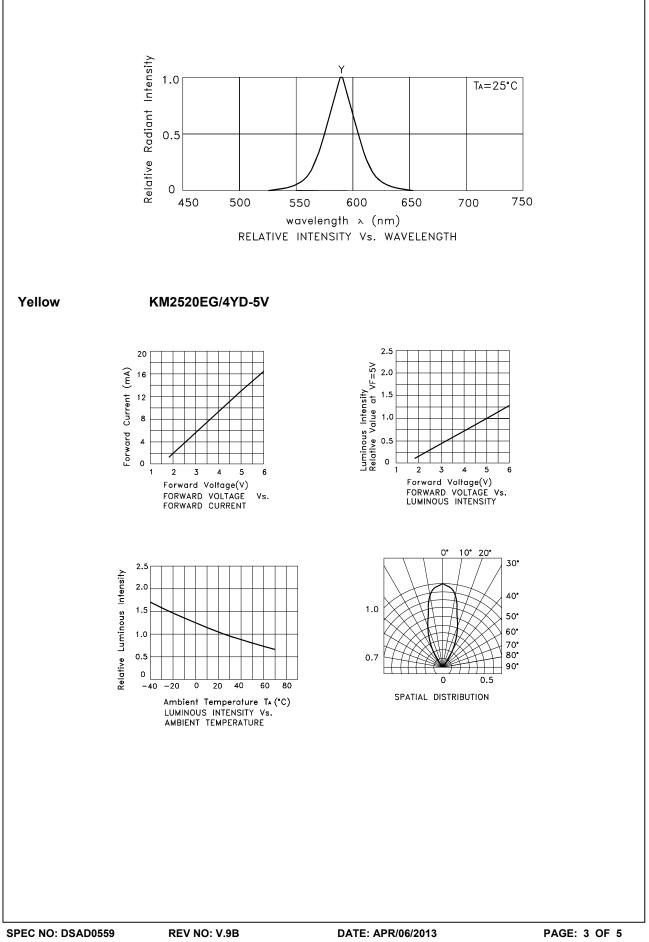
Absolute Maximum Ratings at TA=25°C

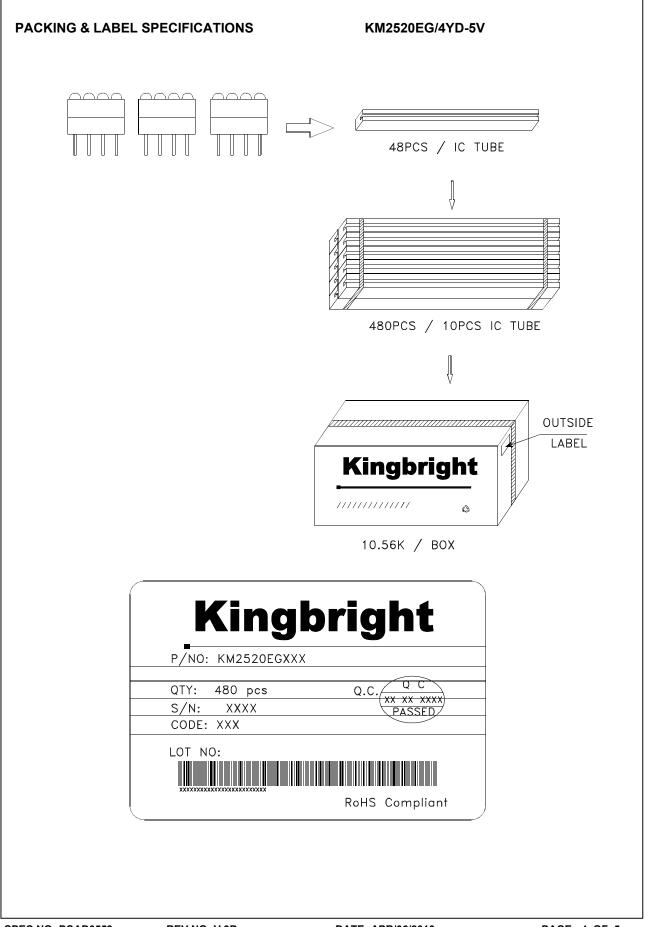
Yellow	Units		
85	mW		
6	V		
5	V		
-40°C To +70°C			
-40°C To +85°C			
260°C For 3 Seconds	260°C For 3 Seconds		
260°C For 5 Seconds	260°C For 5 Seconds		
	85 6 5 -40°C To +70°C -40°C To +85°C 260°C For 3 Seconds		

Notes:

1. 2mm below package base.

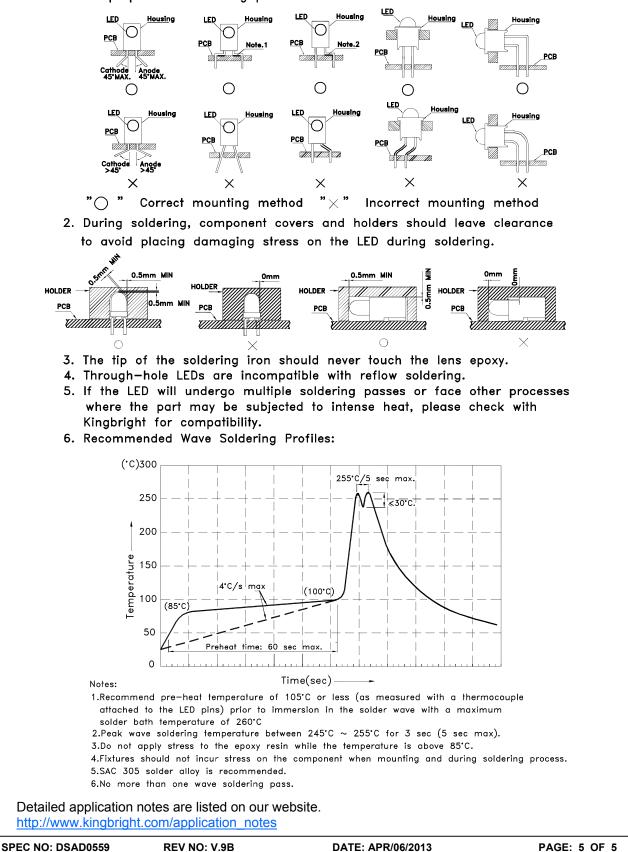
2. 5mm below package base.





PRECAUTIONS

1. The lead pitch of the LED must match the pitch of the mounting holes on the PCB during component placement. Lead-forming may be required to insure the lead pitch matches the hole pitch. Refer to the figure below for proper lead forming procedures.



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