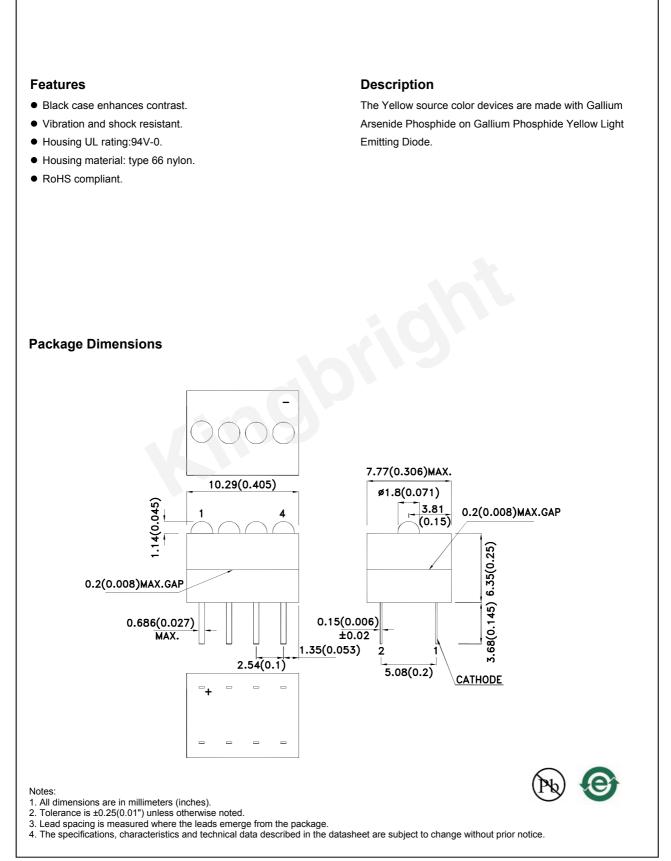
### SUBMINIATURE SOLID STATE LAMP

Part Number: KM2520EG/4YD

Yellow



SPEC NO: DSAD0558 APPROVED: WYNEC REV NO: V.11B CHECKED: Allen Liu DATE: SEP/26/2013 DRAWN: D.N.Huang PAGE: 1 OF 5 ERP: 1102005304

### Solaction Guida

Selection Guide								
Part No.	Part No. Dice Lens Type			:d) [2] 0mA	Viewing Angle [1]			
			Min.	Тур.	201/2			
KM2520EG/4YD	Yellow (GaAsP/GaP)	Yellow Diffused	5	10	40°			

Notes:

1.  $\theta$ 1/2 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	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Yellow	590		nm	IF=20mA
λD [1] Dominant Wavelength		Yellow	588		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Yellow	35		nm	IF=20mA
С	Capacitance	Yellow	20		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Yellow	2.1	2.5	V	I⊧=20mA
lr	Reverse Current	Yellow		10	uA	VR = 5V

Notes:

1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V.

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

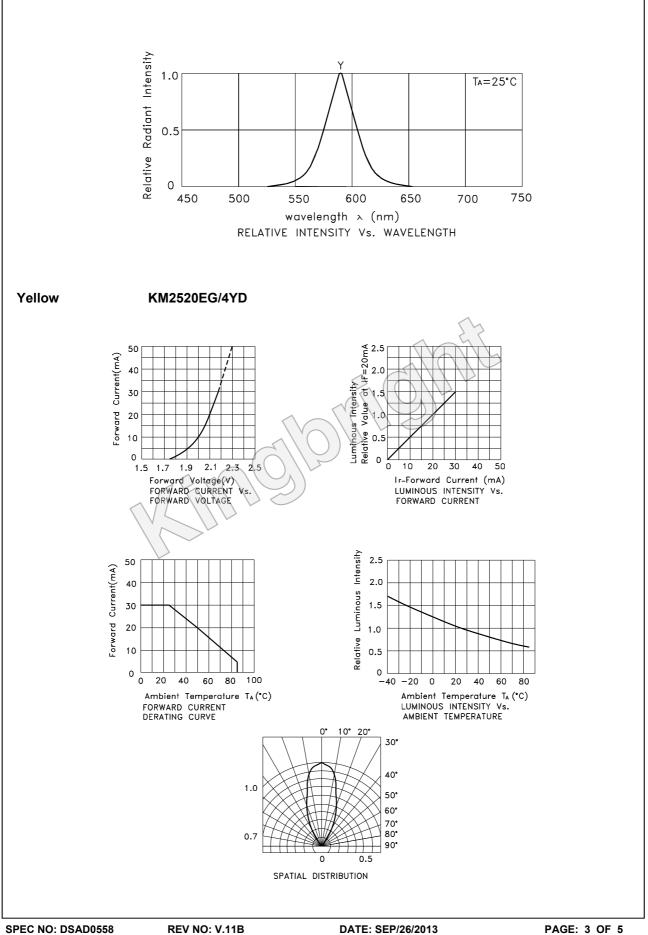
#### Absolute Maximum Ratings at TA=25°C

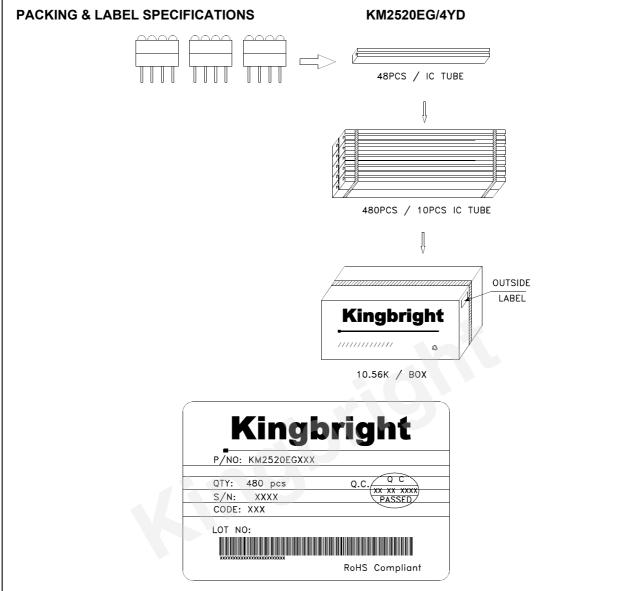
Parameter	Yellow	Units	
Power dissipation	75	mW	
DC Forward Current	30 mA		
Peak Forward Current [1]	140	mA	
Reverse Voltage	5	V	
Operating/Storage Temperature	-40°C To +85°C		
Lead Solder Temperature [2]	260°C For 3 Seconds		
Lead Solder Temperature [3]	260°C For 5 Seconds		

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. 2mm below package base.
3. 5mm below package base.





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#### 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.

