3.2mmx1.6mm SMD CHIP LED LAMP

Part Number: KPT-3216YC Yellow

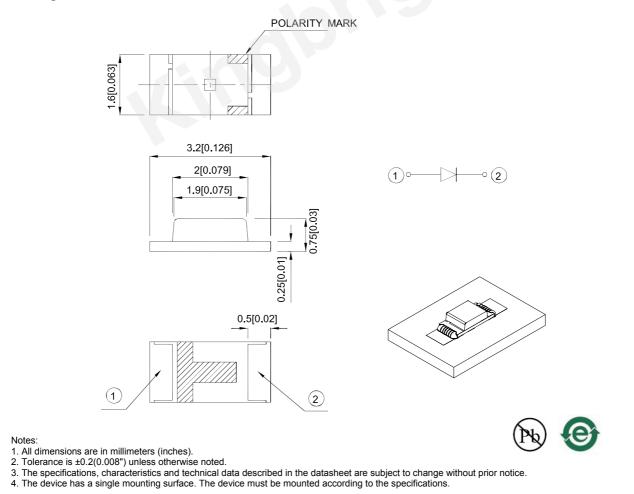
Features

- 3.2mmx1.6mm SMD LED, 0.75mm thickness.
- Low power consumption.
- Wide viewing angle.
- Ideal for backlight and indicator.
- Package : 2000pcs / reel.
- Moisture sensitivity level : level 3.
- RoHS compliant.

Description

The Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode.

Package Dimensions



SPEC NO: DSAA9010 APPROVED: Wynec REV NO: V.14B CHECKED: Allen Liu DATE: AUG/25/2015 DRAWN: M.Liu

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Selection Guide

Delection Guide					
Part No.	Emitting Color (Material)	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	201/2
KPT-3216YC	Yellow (GaAsP/GaP)	Water Clear	3	8	120°

Notes:

1. 01/2 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	Emitting Color	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Yellow	590		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Yellow	588		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Yellow	35		nm	I⊧=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

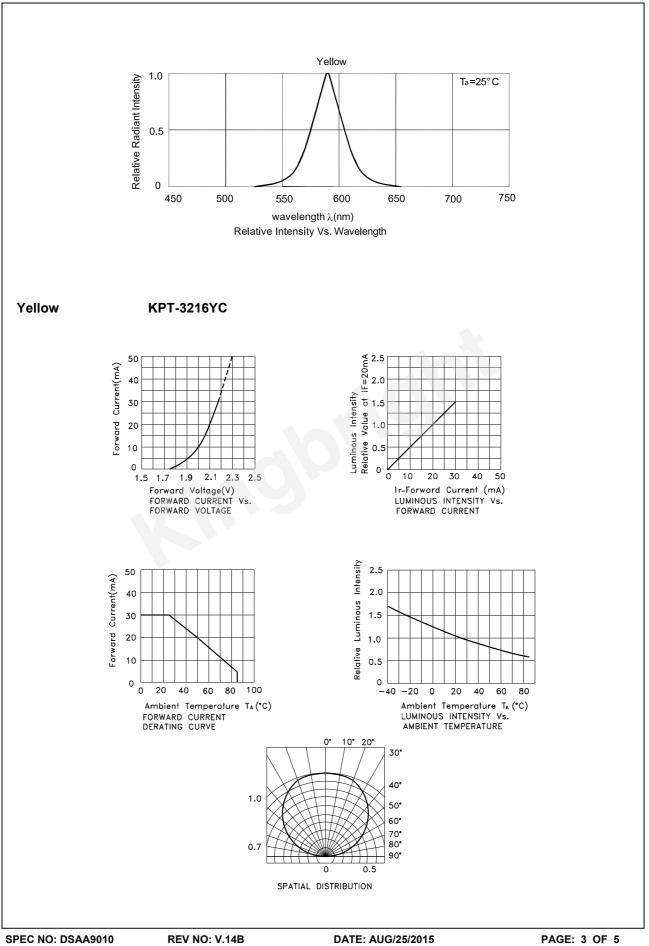
Notes: 1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V. 3. Wavelength value is traceable to the CIE127-2007 compliant national standards.

4. Excess driving current and/or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

Absolute Maximum Ratings at TA=25°C

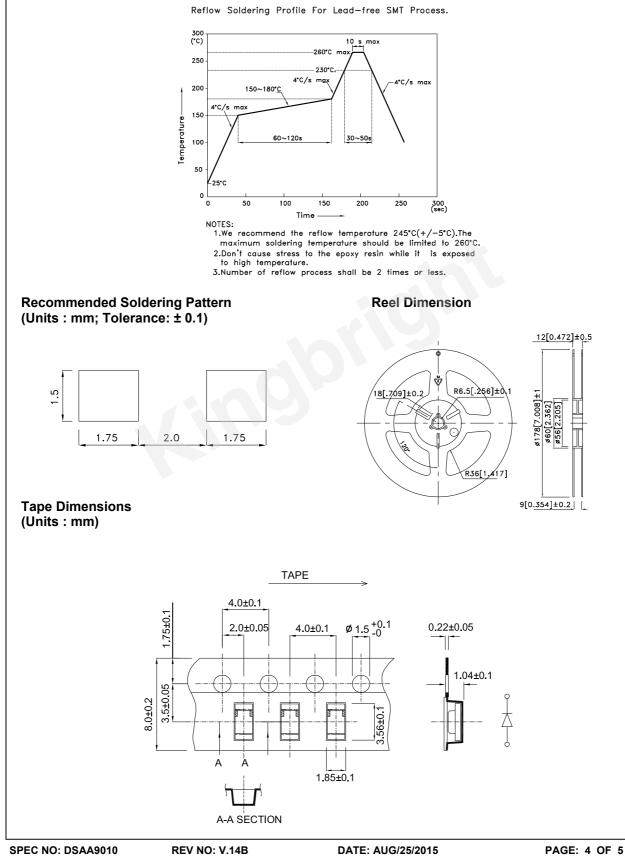
Parameter	Values	Units		
Power dissipation	75	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	140	mA		
Reverse Voltage	5	V		
Operating Temperature	-40°C To +85°C			
Storage Temperature	-40°C To +85°C			

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



KPT-3216YC

Reflow soldering is recommended and the soldering profile is shown below. Other soldering methods are not recommended as they might cause damage to the product.

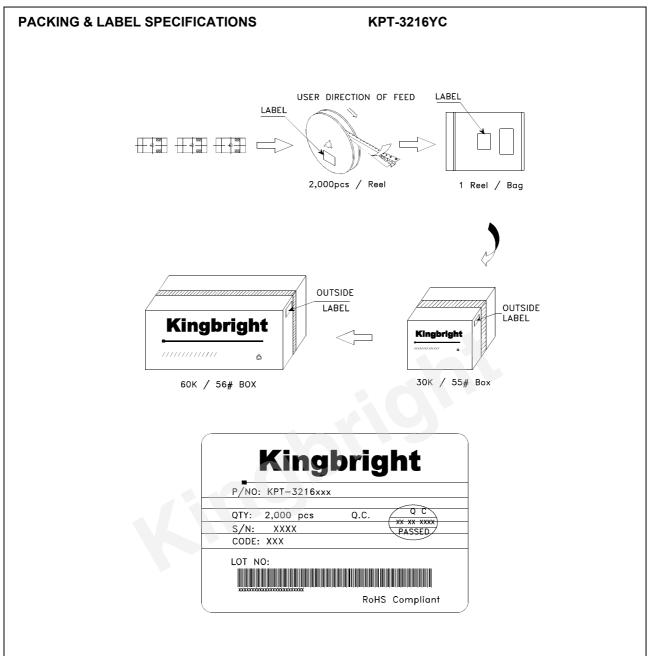


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CHECKED: Allen Liu

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