2.0x1.25mm SMD CHIP LED LAMP

Part Number: KPT-2012SYCK-J3

Super Bright Yellow

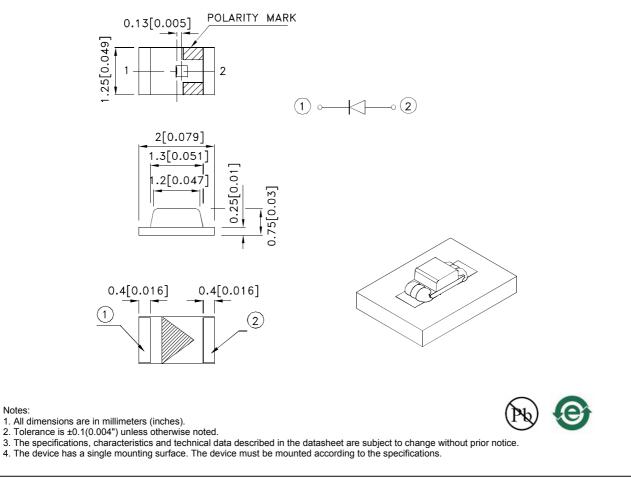
Features

- 2.0mm x1.25mm SMT LED,0.75mm thickness.
- Low power consumption.
- Wide viewing angle.
- Ideal for backlight and indicator.
- Various colors and lens types available.
- Package : 2000pcs / reel.
- Moisture sensitivity level : level 3.
- RoHS compliant.

Description

The Super Bright Yellow device is based on light emitting diode chip made from AlGaInP.

Package Dimensions



SPEC NO: DSAM9228 APPROVED: WYNEC REV NO: V.1B CHECKED: Allen Liu DATE: MAR/20/2013 DRAWN: Q.M.Chen

Selection Guide

Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]		
			Min.	Тур.	201/2		
KPT-2012SYCK-J3	Super Bright Yellow (AlGaInP)	Water Clear	200	320	120°		

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	Super Bright Yellow	590		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Super Bright Yellow	590		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Yellow	20		nm	I⊧=20mA
С	Capacitance	Super Bright Yellow	45		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Super Bright Yellow	2	2.5	V	l⊧=20mA
IR	Reverse Current	Super Bright Yellow		10	uA	VR=5V

Notes:

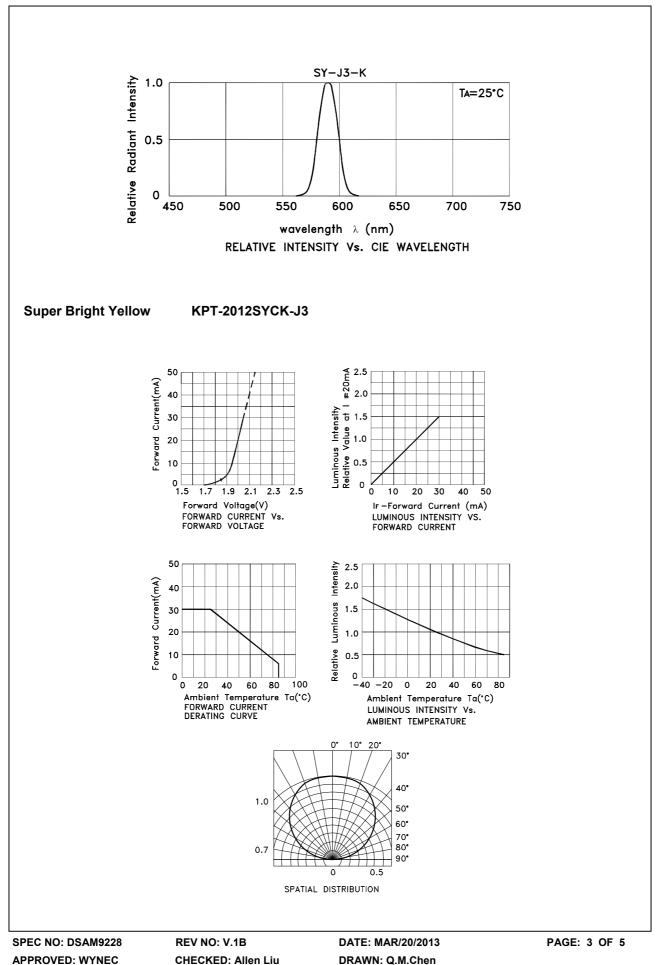
Wavelength: +/-1nm.
Forward Voltage: +/-0.1V.
Wavelength value is traceable to the CIE127-2007 compliant national standards.

Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Yellow	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			

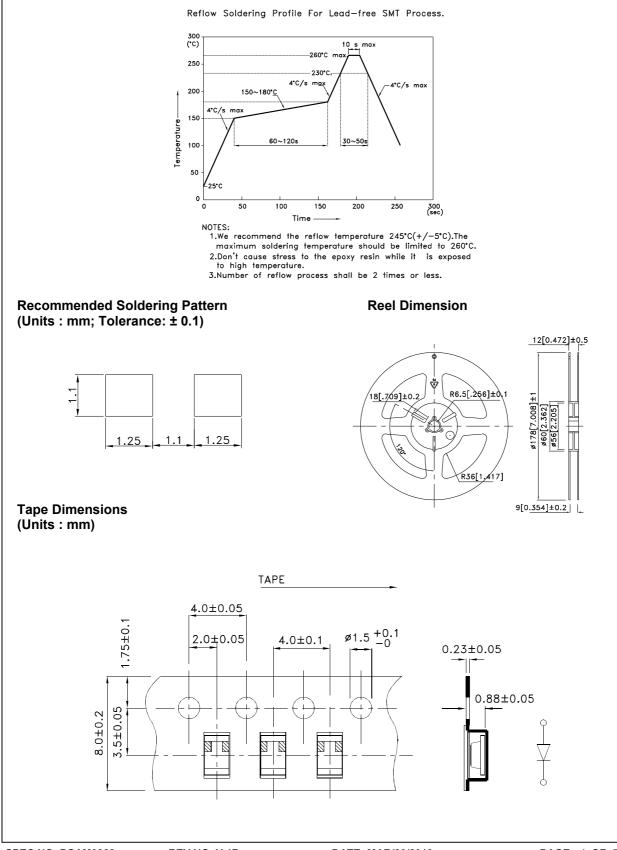
Note: 1. 1/10 Duty Cycle, 0.1ms Pulse Width.

SPEC NO: DSAM9228 APPROVED: WYNEC



KPT-2012SYCK-J3

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.



SPEC NO: DSAM9228 APPROVED: WYNEC REV NO: V.1B CHECKED: Allen Liu DATE: MAR/20/2013 DRAWN: Q.M.Chen

