1.6X0.8mm SMD CHIP LED LAMP

Part Number: KP-1608LSYCK

Super Bright Yellow

The Super Bright Yellow device is made with AlGaInP (on

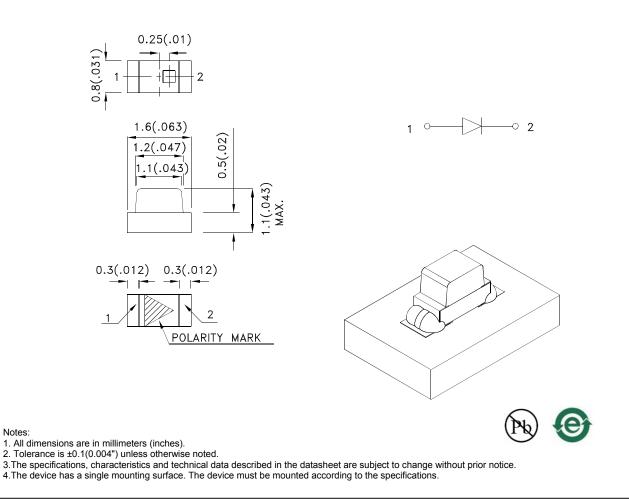
Features

- 1.6mmX0.8mm SMT LED, 1.1mm 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.
- Low current IF=2mA operating.
- RoHS compliant.

GaAs substrate) light emitting diode chip.

Description

Package Dimensions



SPEC NO: DSAE7435 APPROVED: WYNEC REV NO: V.3B CHECKED: Allen Liu DATE: OCT/16/2012 DRAWN: F.Cui PAGE: 1 OF 5 ERP: 1203002533

Salaatian Cuida

Part No.	Dice	Lens Type	lv (mc @ 2	<i>,</i> - -	2] Viewing Angle [1]	
			Min.	Тур.	201/2	
KP-1608LSYCK	Super Bright Yellow (AlGaInP)	Water Clear	4	10	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⊧=2mA
λD [1]	Dominant Wavelength	Super Bright Yellow	590		nm	I⊧=2mA
Δλ1/2	Spectral Line Half-width	Super Bright Yellow	20		nm	I⊧=2mA
С	Capacitance	Super Bright Yellow	20		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Super Bright Yellow	1.85	2.5	V	I⊧=2mA
lr	Reverse Current	Super Bright Yellow		10	uA	Vr=5V

Notes:

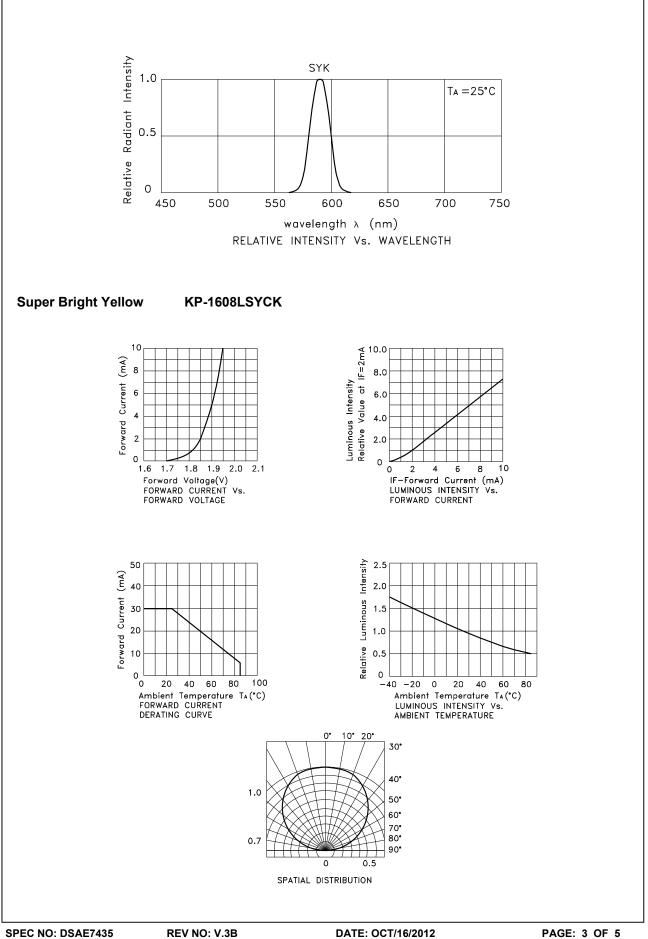
Wavelength: +/-1nm.
Forward Voltage: +/-0.1V.
Wavelength value is traceable to the CIE127-2007 compliant national standards.

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]	175	mA		
Reverse Voltage	5	V		
Operating Temperature	-40°C To +85°C			
Storage Temperature	-40°C To +85°C			

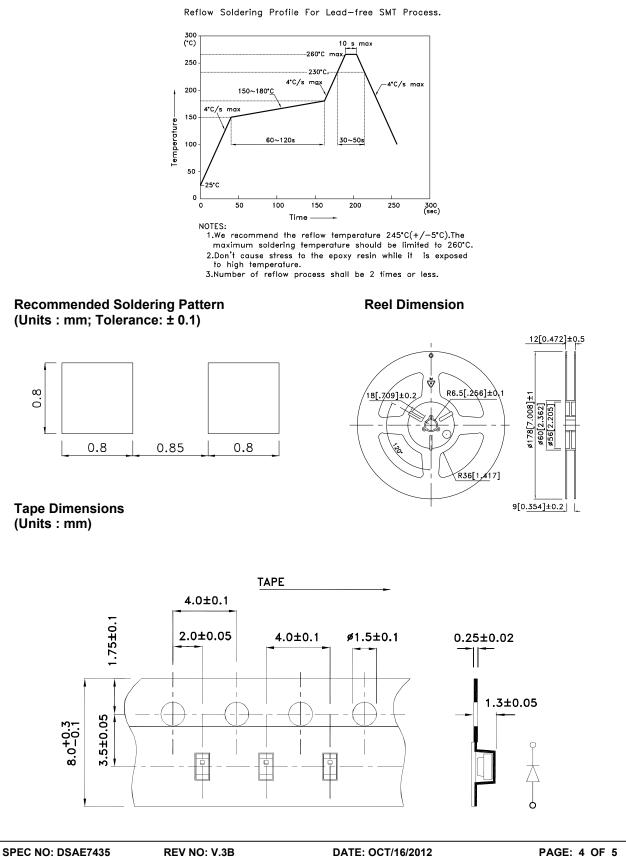
Note:

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



KP-1608LSYCK

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.



CHECKED: Allen Liu

DATE: OCT/16/2012 DRAWN: F.Cui

