2.0x1.25mm SMD CHIP LED LAMP

Part Number: KPT-2012SECK

Super Bright Orange

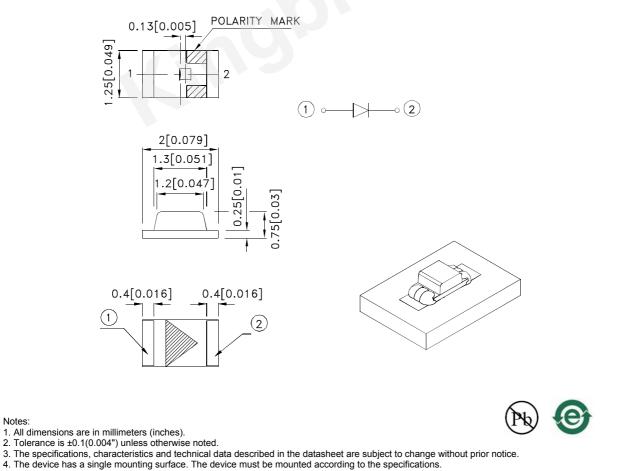
Features

- 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 Orange device is made with AlGaInP (on GaAs substrate) light emitting diode chip.

Package Dimensions



SPEC NO: DSAA4129 **APPROVED: WYNEC**

REV NO: V.15A **CHECKED: Allen Liu** DATE: NOV/19/2013 DRAWN: Q.M.Chen

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Selection Guide

Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	201/2
	Super Bright Orange (AlColnD)	Water Clear	120	250	120°
KPT-2012SECK	Super Bright Orange (AlGaInP)		*80	*180	

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 Orange	610		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Super Bright Orange	601		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Orange	29		nm	I⊧=20mA
С	Capacitance	Super Bright Orange	15		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Super Bright Orange	2.1	2.5	V	I⊧=20mA
lr	Reverse Current	Super Bright Orange		10	uA	VR=5V

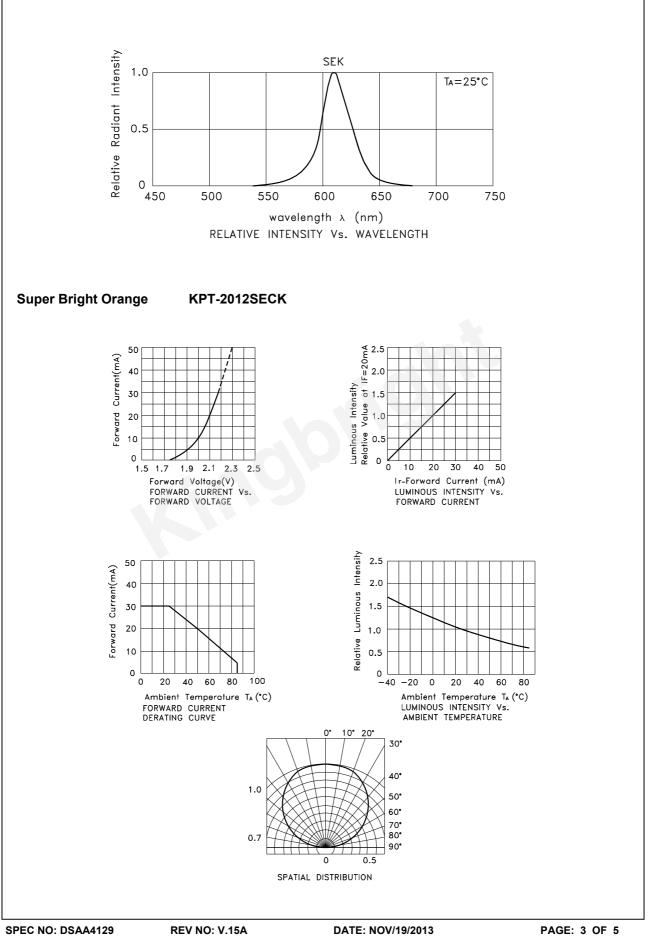
Notes: 1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V. 3. Wavelength value is traceable to the CIE127-2007 compliant national standards.

Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Orange	Units	
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	195	mA	
Reverse Voltage	5	V	
Operating Temperature	-40°C To +85°C		
Storage Temperature	-40°C To +85°C		

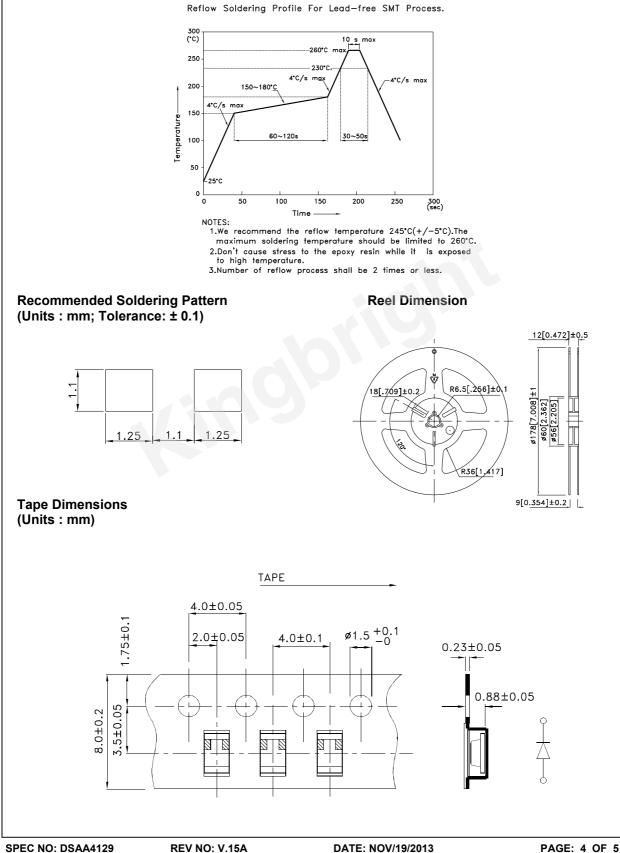
Note:

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



KPT-2012SECK

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.

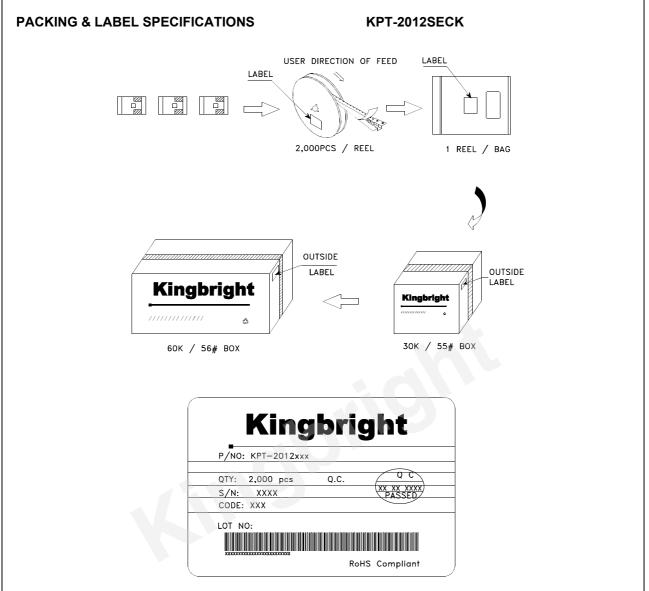


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