1.6X0.8mm SMD CHIP LED LAMP

Part Number: KPT-1608SRC-J4

Super Bright Red

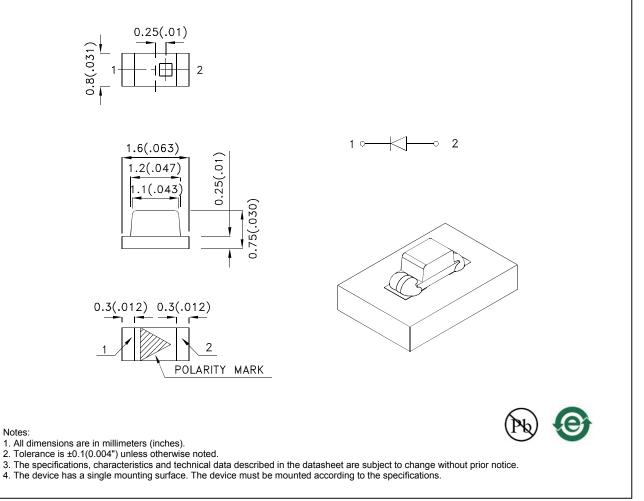
Features

- 1.6mmX0.8mm 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 Red source color devices are made with AlGaInP on Si substrate Light Emitting Diode.

Package Dimensions



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Part No.	Dice Lens Type		lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min. T	Тур.	201/2
KPT-1608SRC-J4	Super Dright Ded (AlColnD)	Water Clear	400	600	120°
	Super Bright Red (AlGaInP)	Water Clear	*120	*200	

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 Red	660		nm	IF=20mA
λD [1]	Dominant Wavelength	Super Bright Red	640		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Red	20		nm	IF=20mA
С	Capacitance	Super Bright Red	45		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Super Bright Red	2.1	2.5	V	I⊧=20mA
lr	Reverse Current	Super Bright Red		10	uA	VR=5V

Notes:

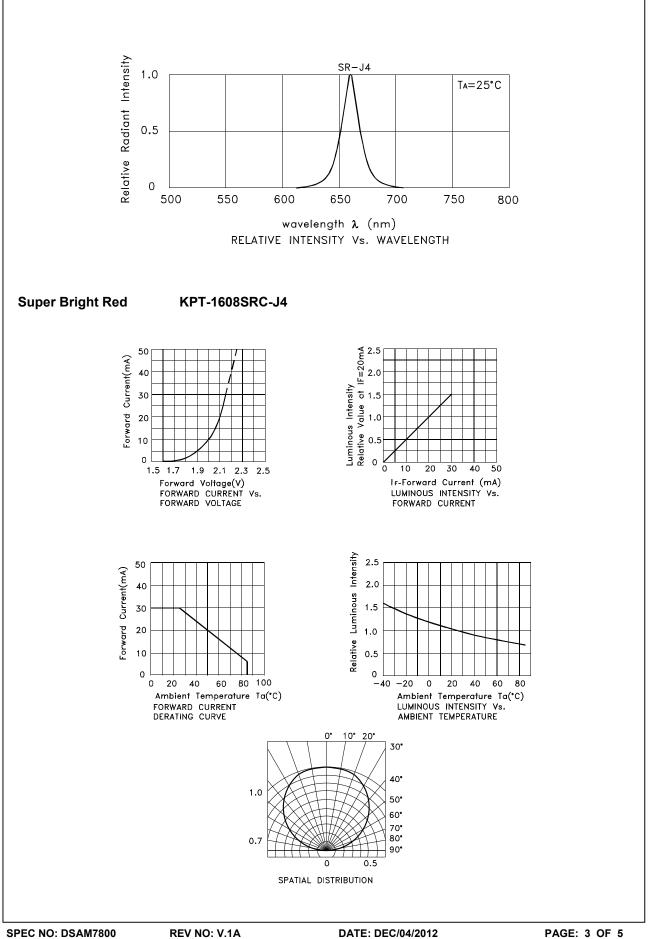
Wavelength: +/-1nm.
Forward Voltage: +/-0.1V.
Wavelength value is traceable to the CIE127-2007 compliant national standards.

Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Red		
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	150	mA	
Reverse Voltage	5	V	
Operating Temperature	-40°C To +85°C		
Storage Temperature	-40°C To +85°C		

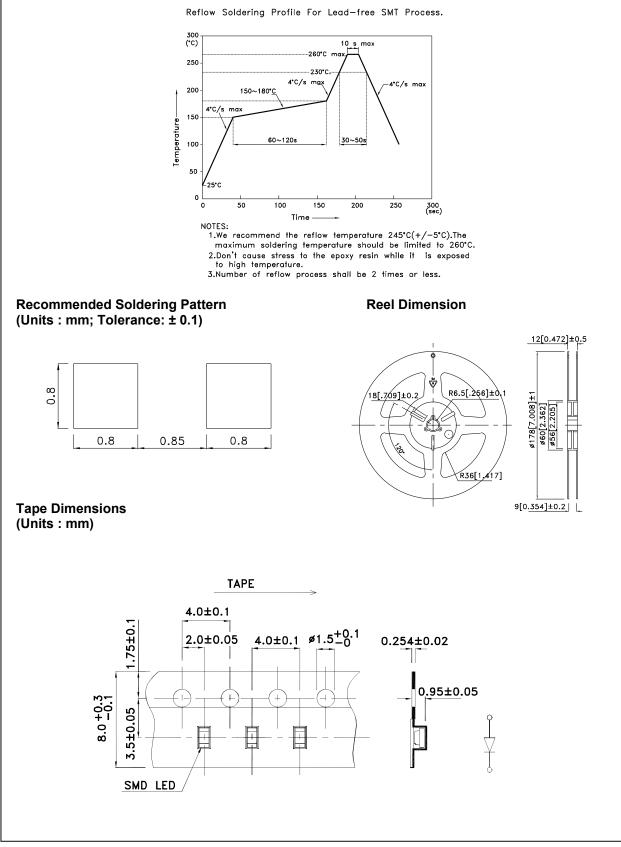
Note:

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

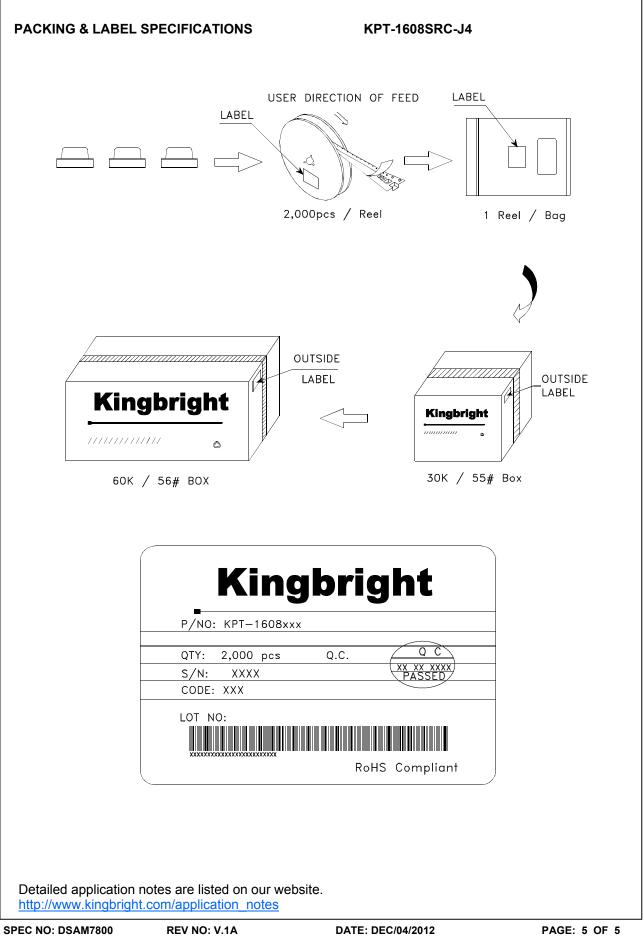


KPT-1608SRC-J4

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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SPEC NO: DSAM7800 APPROVED: WYNEC REV NO: V.1A CHECKED: Allen Liu DATE: DEC/04/2012 DRAWN: F.Cui