1.6X0.8mm SMD CHIP LED LAMP

Part Number: KP-1608SRC-PRV

Super Bright Red

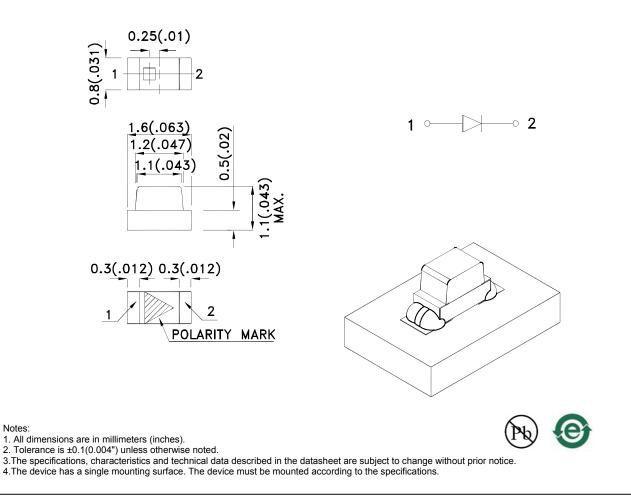
Features

- 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.
- RoHS compliant.

Description

The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode.

Package Dimensions



SPEC NO: DSAA1789 **APPROVED: WYNEC**

REV NO: V.15A **CHECKED: Allen Liu**

DATE: FEB/14/2012 **DRAWN: C.H.Han**

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Selection Guide

Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	201/2
KP-1608SRC-PRV	Super Bright Red (GaAlAs)	Water Clear	55	100	120°
		Water Cied	*12	*30	

Notes: 1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value. 2. Luminous intensity/ luminous Flux: +/-15%. * Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Ту	/p.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Red	660	*655		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Super Bright Red	640	*640		nm	I⊧=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	1.	85	2.5	V	IF=20mA
IR	Reverse Current	Super Bright Red			10	uA	VR=5V

Notes:

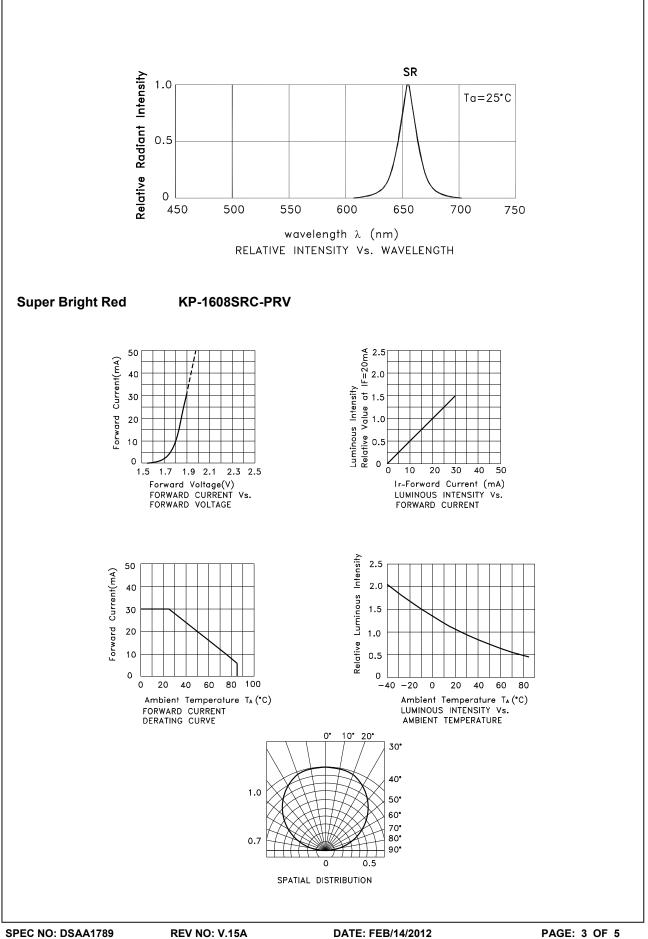
1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V. * Wavelength value is traceable to the CIE127-2007 compliant national standards.

Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Red	Units		
Power dissipation	75	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	155	mA		
Reverse Voltage	5	V		
Operating Temperature	-40°C To +85°C			
Storage Temperature	-40°C To +85°C			

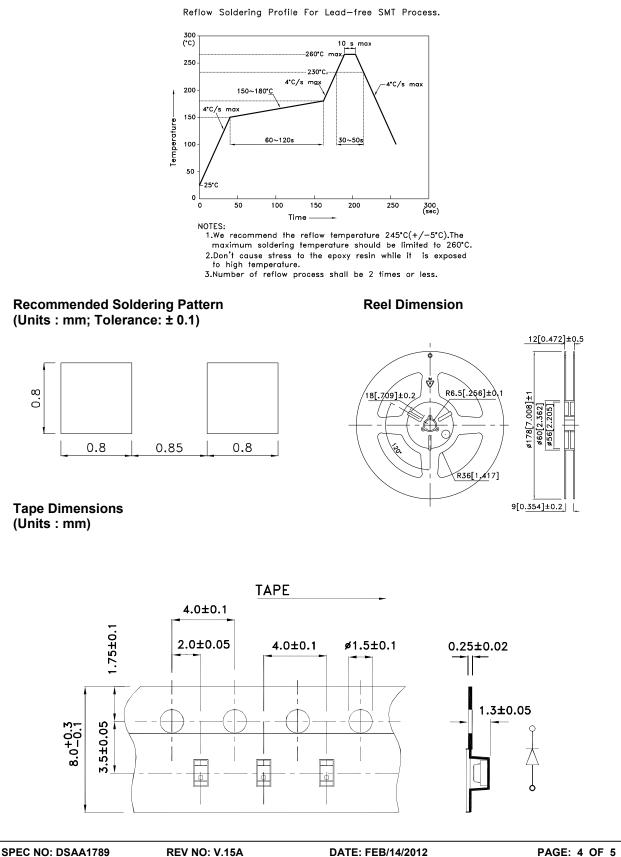
Note:

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



KP-1608SRC-PRV

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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