3.2mmx1.6mm SMD CHIP LED LAMP

Part Number: KPT-3216SRC-PRV

Super Bright Red

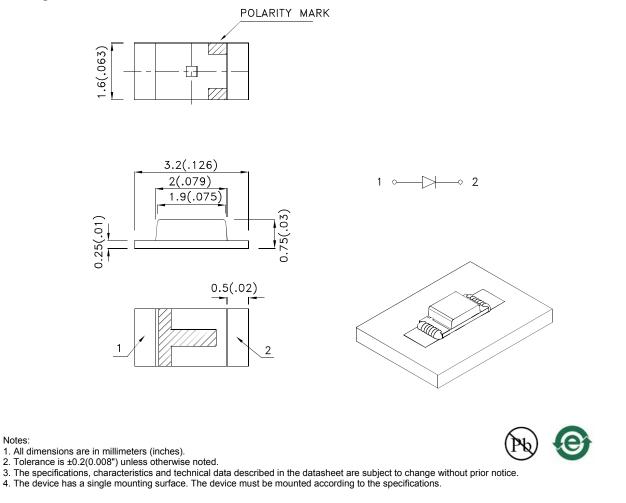
Features

- 3.2mmx1.6mm 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 Gallium Aluminum Arsenide Red Light Emitting Diode.

Package Dimensions



SPEC NO: DSAA4462 APPROVED: WYNEC REV NO: V.13A CHECKED: Allen Liu DATE: DEC/18/2011 DRAWN: C.H.Han PAGE: 1 OF 5 ERP: 1203001972

Selection Guide

Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	201/2
KPT-3216SRC-PRV	Super Bright Red (GaAlAs)	Water Clear	55	100	120°
		water Ciedi	*12	*30	

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	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	IF=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Red	20			nm	IF=20mA
С	Capacitance	Super Bright Red	4	5		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Super Bright Red	1.8	85	2.5	V	I⊧=20mA
IR	Reverse Current	Super Bright Red			10	uA	VR=5V

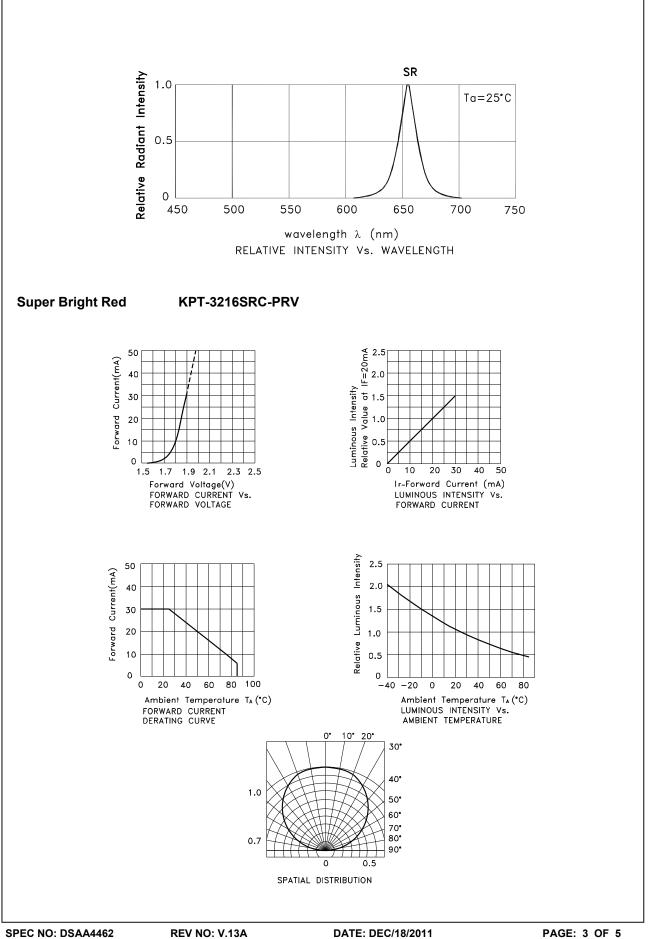
Notes:

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

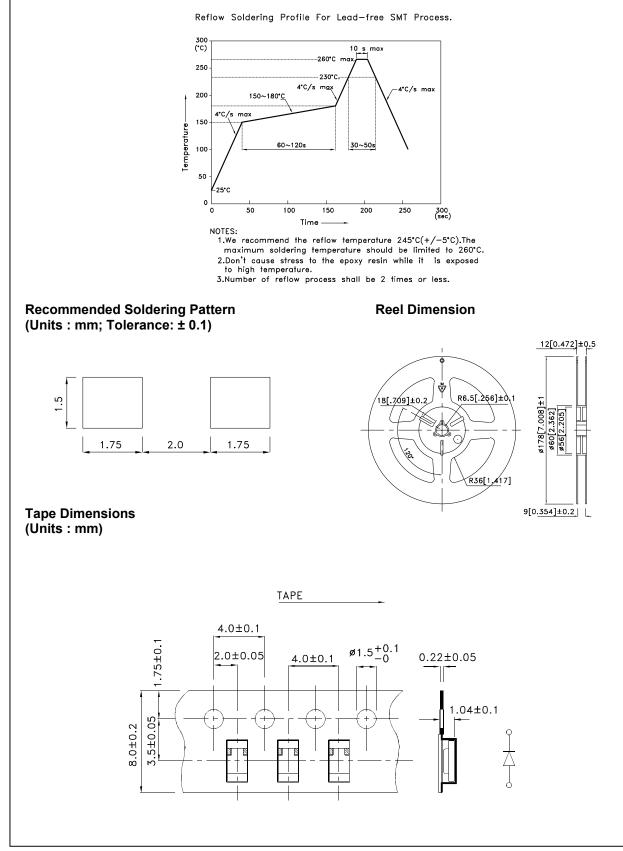
Parameter	Super Bright Red	Units		
Power dissipation	75	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	155	mA		
Reverse Voltage	5	V		
Operating Temperature	-40°C To +85°C			
Storage Temperature	-40°C To +85°C			

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



KPT-3216SRC-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.



DATE: DEC/18/2011 DRAWN: C.H.Han

