3.2mmx1.6mm SMD CHIP LED LAMP

Part Number: APT3216SEC/J4-PRV

Super Bright Orange

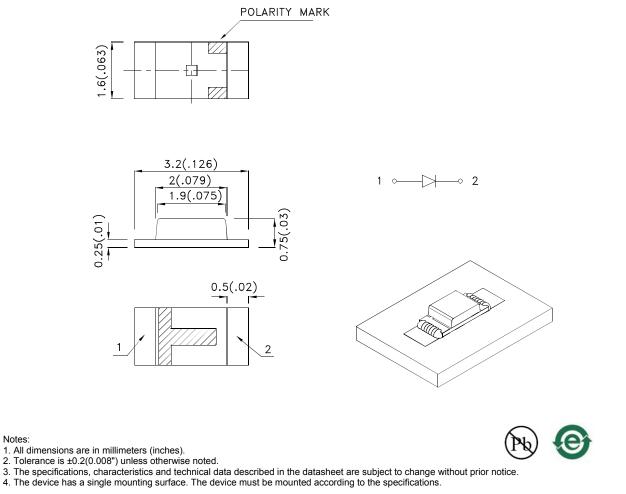
Features

- 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 Orange source color devices are made with AlGaInP Light Emitting Diode.

Package Dimensions



REV NO: V.1 CHECKED: Allen Liu DATE: NOV/23/2010 DRAWN: C.H.Han PAGE: 1 OF 5 ERP: 1203012240

Selection Guide

Ocicotion Guide					
Part No.	Dice	Lens Type	Iv (mcd) [2] @ 20mA Min. Typ.		Viewing Angle [1]
					201/2
APT3216SEC/J4-PRV	Super Bright Orange (AlGaInP)	Water Clear	1600	2300	120°

Notes:

θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.
Luminous intensity/ luminous Flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Orange	611		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Super Bright Orange	605		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Orange	17		nm	I⊧=20mA
С	Capacitance	Super Bright Orange	27		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Super Bright Orange	2.2	2.8	V	I⊧=20mA
IR	Reverse Current	Super Bright Orange		10	uA	VR=5V

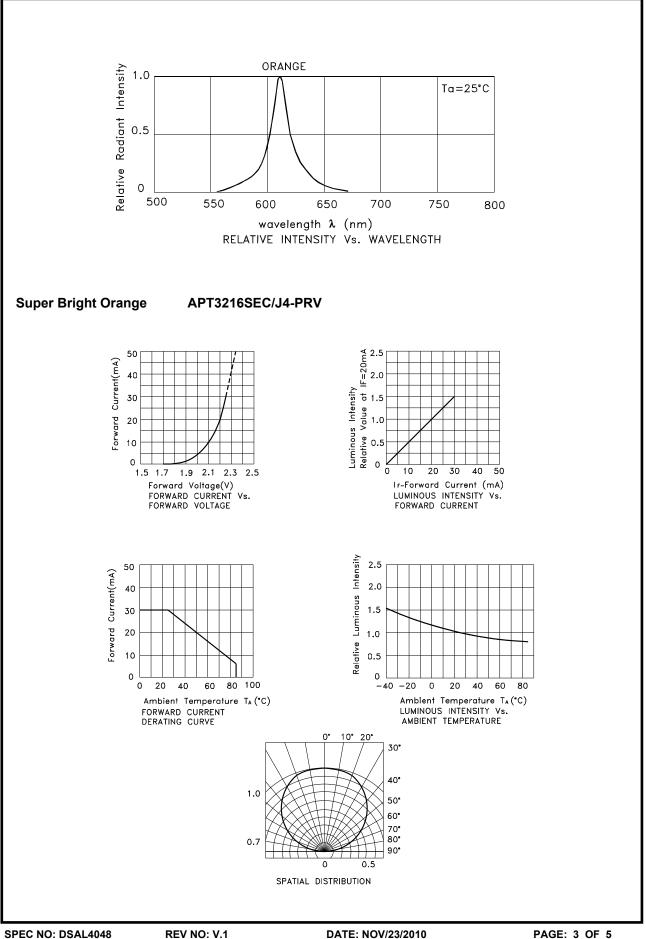
Notes:

1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Orange	Units	
Power dissipation	84	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		

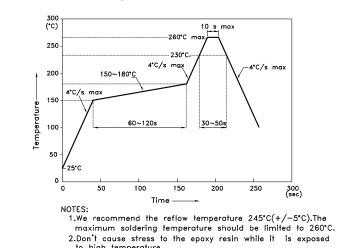
Note: 1. 1/10 Duty Cycle, 0.1ms Pulse Width.



APT3216SEC/J4-PRV

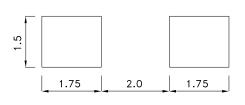
Reflow soldering is recommended and the soldering profile is shown below. Other soldering methods are not recommended as they might cause damage to the product.

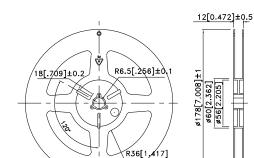
Reflow Soldering Profile For Lead-free SMT Process.



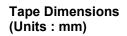
to high temperature. 3.Number of reflow process shall be 2 times or less.

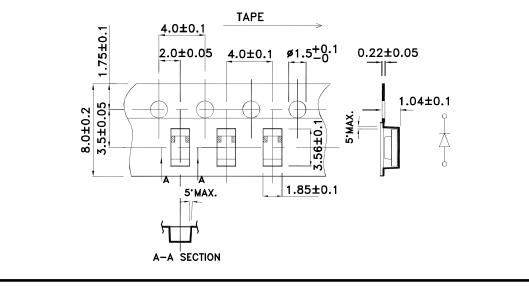






Reel Dimension





REV NO: V.1 CHECKED: Allen Liu DATE: NOV/23/2010 DRAWN: C.H.Han 9[0.<u>354]±0.2</u>| |____

