1.6X0.8mm SMD CHIP LED LAMP

Part Number: APTD1608LSECK/J4-PF

Super Bright Orange

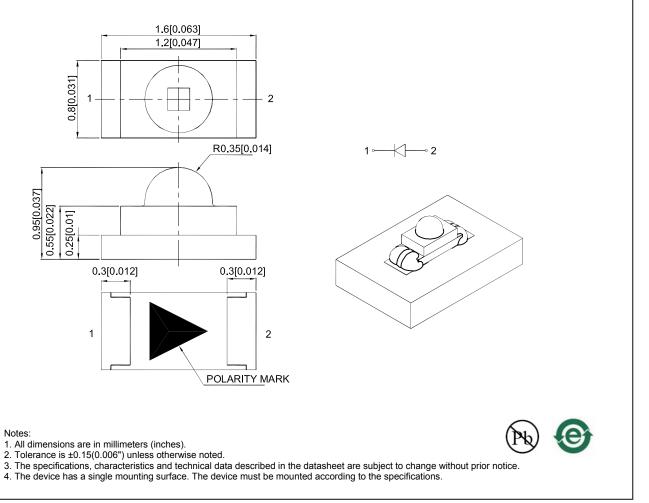
Features

- 1.6mmX0.8mm SMT LED, 0.95mm thickness.
- Low power consumption.
- Wide viewing angle.
- Ideal for backlight and indicator.
- Package: 2000pcs / reel .
- Moisture sensitivity level : level 3.
- Low current IF=2mA operating.
- RoHS compliant.

Description

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

Package Dimensions



SPEC NO: DSAN8406 APPROVED: WYNEC REV NO: V.2A CHECKED: Allen Liu DATE: APR/29/2015 DRAWN: L.Q.Xie PAGE: 1 OF 5 ERP: 1203014440

Selection Guide

Selection Guide					
Part No.	Dice	Lens Type	lv (mcd) [2] @ 2mA		Viewing Angle [1]
			Min.	Тур.	201/2
APTD1608LSECK/J4-PF	Super Bright Orange (AlGaInP)	Water Clear	250	450	- 60°
			*80	*150	

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	Min.	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Orange		611		nm	I⊧=2mA
λD [1]	Dominant Wavelength	Super Bright Orange		605		nm	I⊧=2mA
Δλ1/2	Spectral Line Half-width	Super Bright Orange		17		nm	I⊧=2mA
С	Capacitance	Super Bright Orange		27		pF	V⊧=0V;f=1MHz
VF [2]	Forward Voltage	Super Bright Orange	1.5	1.8	2.1	V	I⊧=2mA
IR	Reverse Current	Super Bright Orange			10	uA	VR=5V

Notes:

1. Wavelength: +/-1nm.

2. Forward Voltage: +/-0.1V.

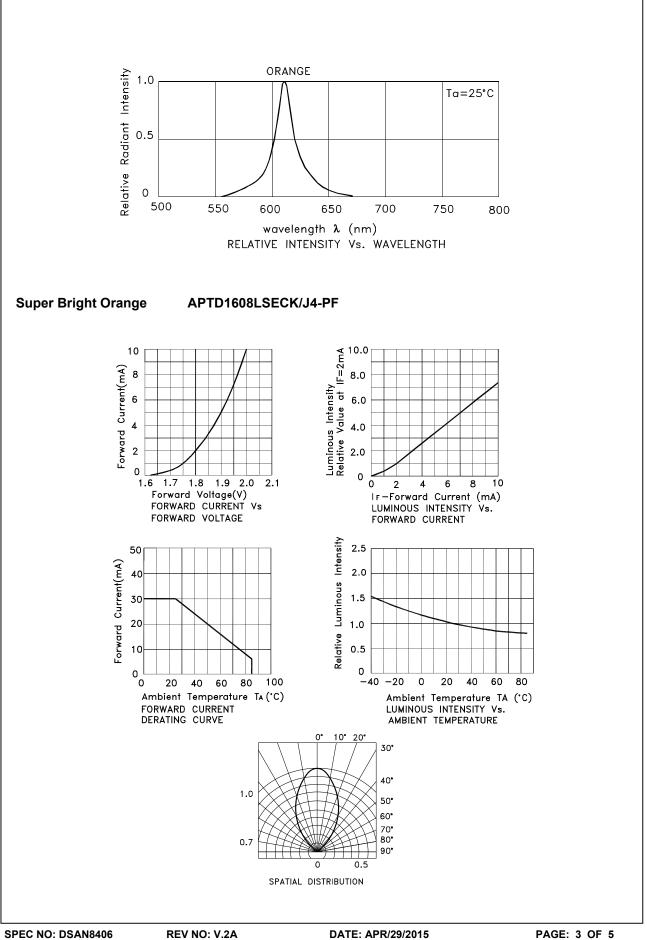
Wavelength value is traceable to the CIE127-2007 compliant national standards.
Excess driving current and/or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Orange	Units			
Power dissipation	63	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				

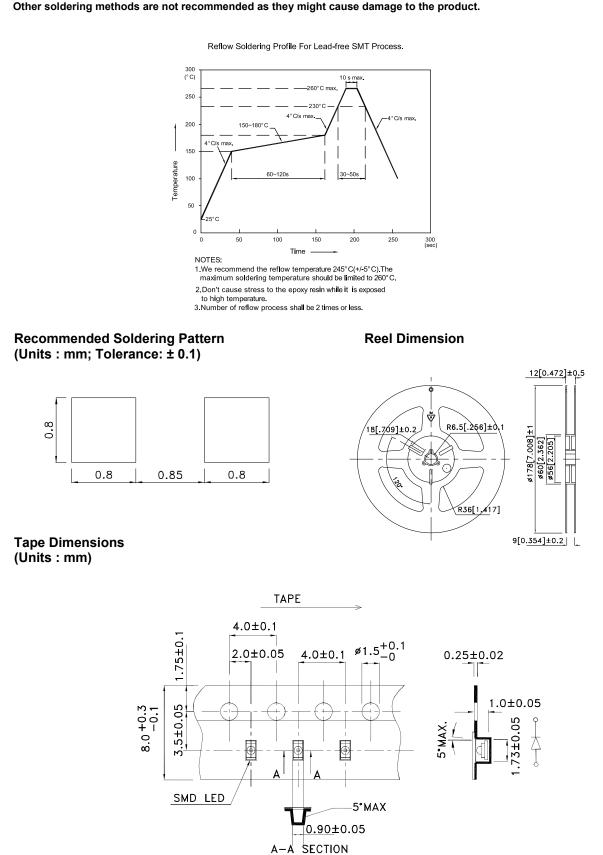
Note:

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

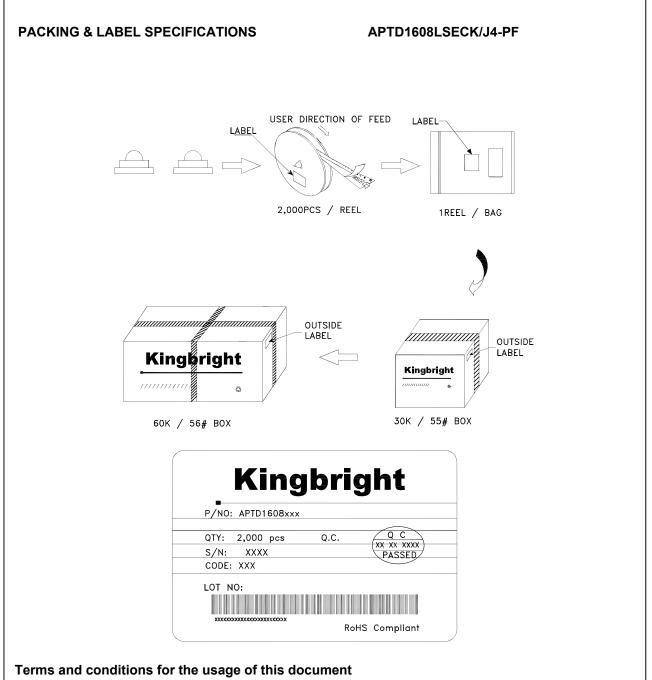


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Reflow soldering is recommended and the soldering profile is shown below. Other soldering methods are not recommended as they might cause damage to the product.



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