imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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3.0x2.0mm RIGHT ANGLE SMD LED

Part Number: APDA3020SECK/J4-PF

Super Bright Orange

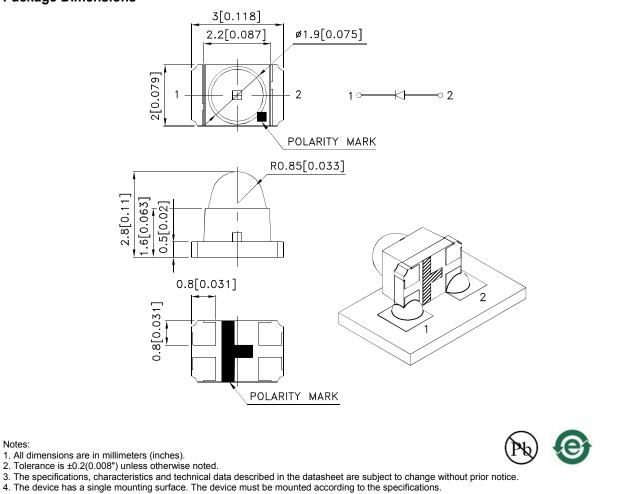
Features

- 3.0mmx2.0mm SMT LED,2.8mm thickness.
- Low power consumption.
- Ideal for back light and indicator
- Package : 2000pcs / reel.
- Moisture sensitivity level : level 3.
- Tinned pads for improved solderability.
- RoHS compliant.

Description

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

Package Dimensions



REV NO: V.2A CHECKED: Allen Liu

DATE: SEP/15/2014 DRAWN: Q.M.Chen

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Salastian Cuida

Selection Guide					
Part No.	Dice	Dice Lens Type Iv (mcd) [2]		/ - -	Viewing Angle [1]
			Min.	Тур.	201/2
APDA3020SECK/J4-PF	Super Bright Orange (AlGaInP)	Water Clear	8000	13000	- 10°
			*2700	*4500	

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 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	l⊧=20mA
IR	Reverse Current	Super Bright Orange		10	uA	VR=5V

Notes:

1.Wavelength: +/-1nm.

2. Forward Voltage: +/-0.1V.

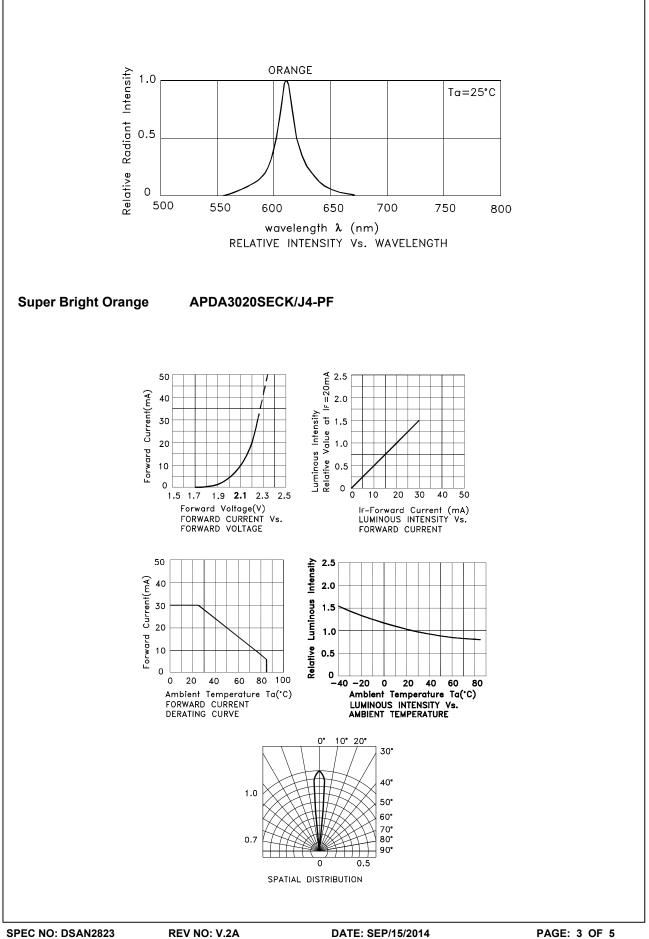
3. Wavelength value is traceable to the CIE127-2007 compliant national standards.

4. 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	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			

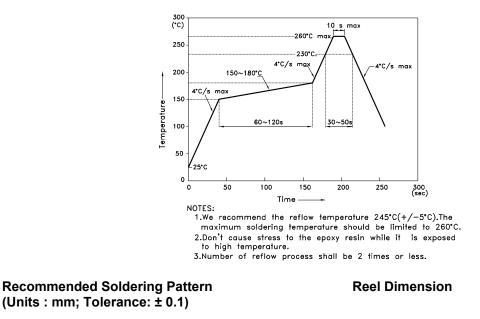
Note: 1. 1/10 Duty Cycle, 0.1ms Pulse Width.

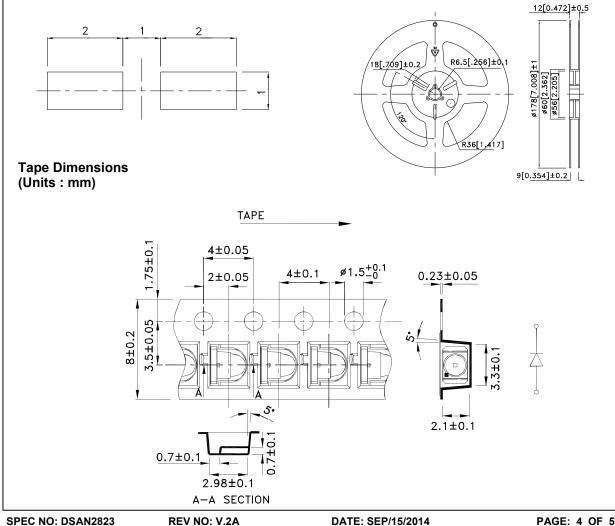


APDA3020SECK/J4-PF

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.

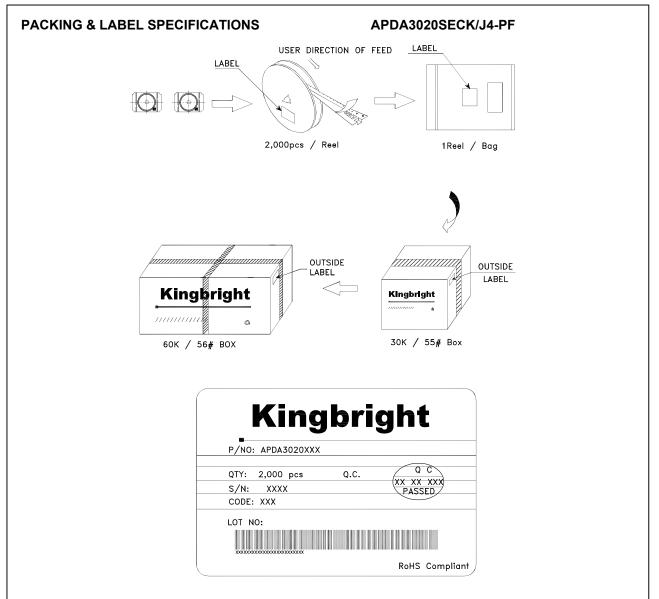
Reflow Soldering Profile For Lead-free SMT Process.





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DRAWN: Q.M.Chen



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