

公司授权代理销售LITE-ON: 光耦, 贴片LED灯等 进口原装,现货供应,价格优势,技术支持

电话:0755-83464948 传真:0755-83464076 3.0x2.5mm SURFACE MOUNT LED LAMP

Part Number: APB3025NSGC-F01

Pure Orange Super Bright Green

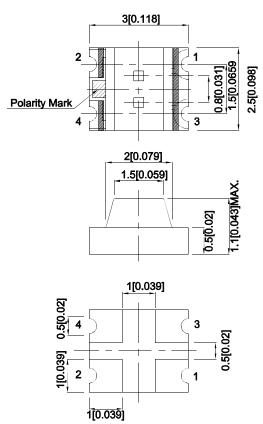
Features

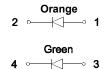
- 3.0mmx2.5mm SMD LED, 1.1mm thickness.
- Bi -color,low power consumption.
- Wide viewing angle.
- Ideal for backlight and indicator.
- Package: 2000pcs / reel.
- Moisture sensitivity level : level 3.
- RoHS compliant.

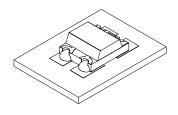
Descriptions

- The Pure Orange source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Pure Orange Light Emitting Diode.
- The Super Bright Green source color devices are made with Gallium Phosphide Green Light Emitting Diode.

Package Dimensions







- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is ±0.2(0.008") unless otherwise noted.
- 3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

 4. The device has a single mounting surface. The device must be mounted according to the specifications.





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Selection Guide

Part No.	Emitting Color (Material)	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	201/2
APB3025NSGC-F01	Pure Orange (GaAsP/GaP)	Water Clear	8	15	- 160°
			*3	*8	
	Super Bright Green (GaP)		8	15	
			*8	*15	

- $1. \theta 1/2$ 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 CIE127-2007 standards.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Emitting Color	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Pure Orange Super Bright Green	607 565		nm	I==20mA
λD [1]	Dominant Wavelength	Pure Orange Super Bright Green	602 568		nm	I==20mA
Δλ1/2	Spectral Line Half-width	Pure Orange Super Bright Green	35 30		nm	I==20mA
С	Capacitance	Pure Orange Super Bright Green	15 15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Pure Orange Super Bright Green	2.05 2.2	2.5 2.5	V	I==20mA
lR	Reverse Current	Pure Orange Super Bright Green		10 10	uA	V _R = 5V

Notes:

- 1. Wavelength: +/-1nm.
- 2. Forward Voltage: +/-0.1V.
- 3. Wavelength value is traceable to CIE127-2007 standards.
- 4. Excess driving current and / or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

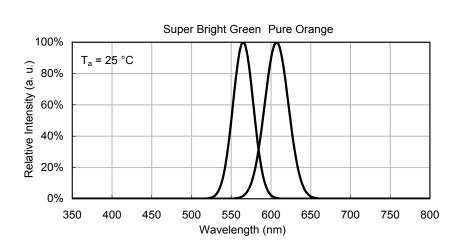
Absolute Maximum Ratings at TA=25°C

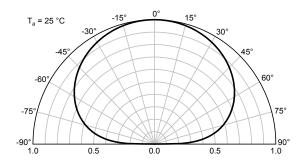
Parameter	Pure Orange	Super Bright Green	Units		
Power dissipation	62.5	62.5	mW		
DC Forward Current	25	25	mA		
Peak Forward Current [1]	145	140	mA		
Reverse Voltage	5				
Operating Temperature	-40°C To +85°C				
Storage Temperature	-40°C To +85°C				

Notes:

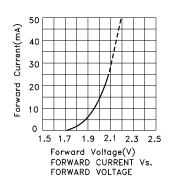
- 1. 1/10 Duty Cycle, 0.1ms Pulse Width.
- Relative humidity levels maintained between 40% and 60% in production area are recommended to avoid the build-up of static electricity Ref JEDEC/JESD625-A and JEDEC/J-STD-033.

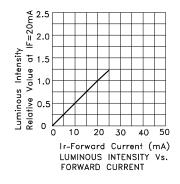
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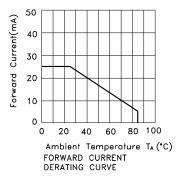


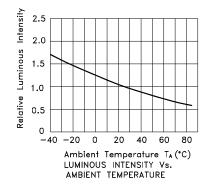


APB3025NSGC-F01 Pure Orange



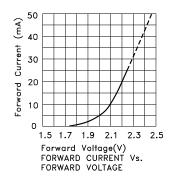


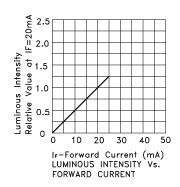


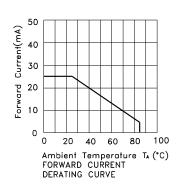


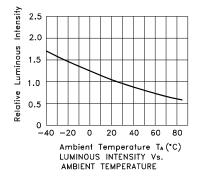
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Super Bright Green







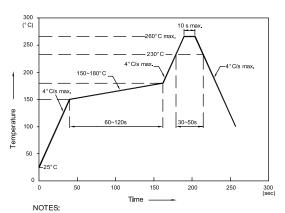


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Reflow soldering is recommended and the soldering profile is shown below. Other soldering methods are not recommended as they might cause damage to the product.

Reflow Soldering Profile For Lead-free SMT Process.



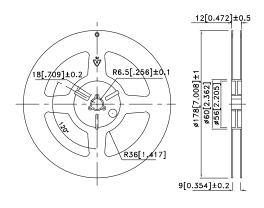
- 1.We recommend the reflow temperature 245°C(+/-5°C).The maximum soldering temperature should be limited to 260°C.
- 2 Don't cause stress to the epoxy resin while it is exposed
- to high temperature.
 3.Number of reflow process shall be 2 times or less.

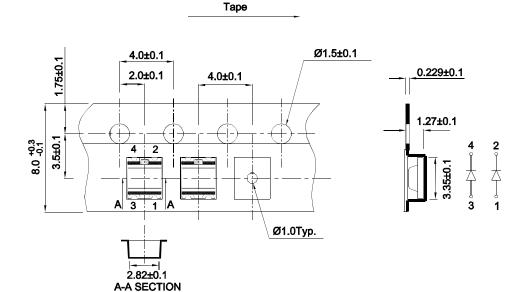
Recommended Soldering Pattern (Units: mm; Tolerance: ± 0.1)

4.4

Tape Dimensions (Units: mm)

Reel Dimension

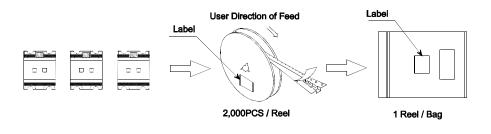


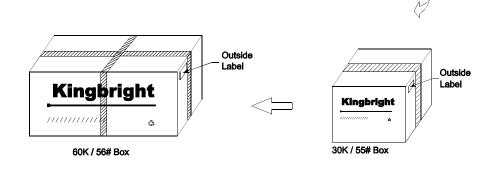


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PACKING & LABEL SPECIFICATIONS

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