0.65X0.35X0.02mm(0201) SMD CHIP LED LAMP

Part Number: KPG-0603SEC-TT

Super Bright Orange

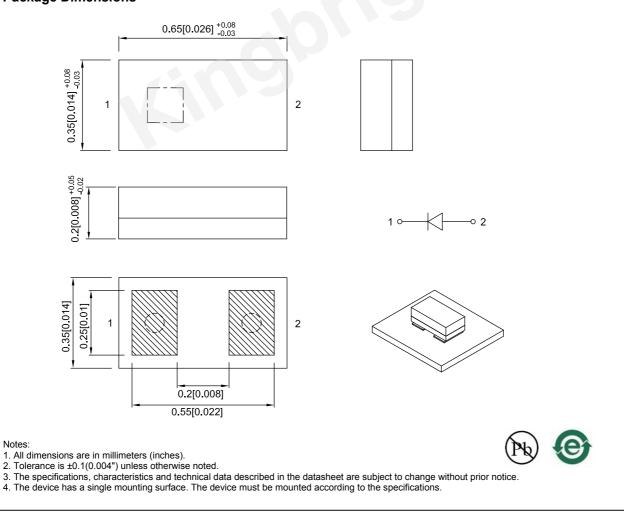
Features

- 0.65mmX0.35mm SMD LED,0.2mm thickness.
- Low power consumption.
- Wide viewing angle.
- Compatible with automatic placement equipment.
- Package:4000pcs/reel.
- Moisture sensitivity level : level 2.
- RoHS compliant.

Description

The Super Bright Orange source color devices are made with AlGaInP on GaAs substrate Light Emitting Diode.

Package Dimensions



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Selection Guide lv (mcd) [2] Viewing @ 10mA Angle [1] Part No. **Emitting Color (Material)** Lens Type 201/2 Min. Тур. 60 150 KPG-0603SEC-TT Super Bright Orange (AlGaInP) Water Clear 140° *20 *50

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 CIE127-2007 standards.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Emitting Color	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Orange	611		nm	I⊧=10mA
λD [1]	Dominant Wavelength	Super Bright Orange	605		nm	IF=10mA
Δλ1/2	Spectral Line Half-width	Super Bright Orange	17		nm	I⊧=10mA
Vf [2]	Forward Voltage	Super Bright Orange	2.01	2.4	v	IF=10mA
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 CIE127-2007 standards.

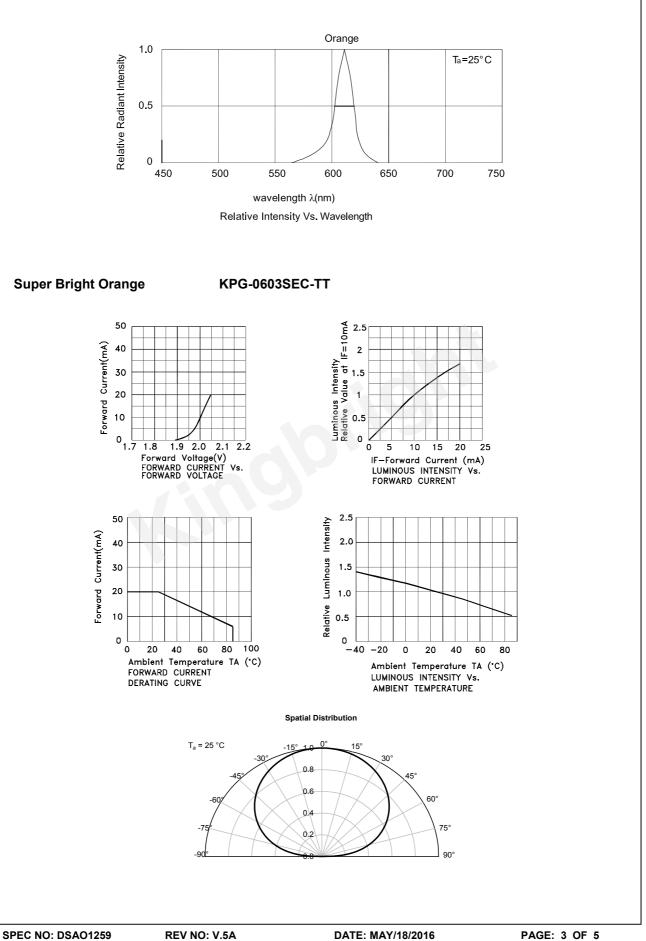
4. Excess driving current and / or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

Absolute Maximum Ratings at TA=25°C

Parameter	Values			
Power dissipation	48	mW		
DC Forward Current	20	mA		
Peak Forward Current [1]	100	mA		
Reverse Voltage	5	V		
Operating Temperature	-40°C To +85°C			
Storage Temperature	-40°C To +85°C			

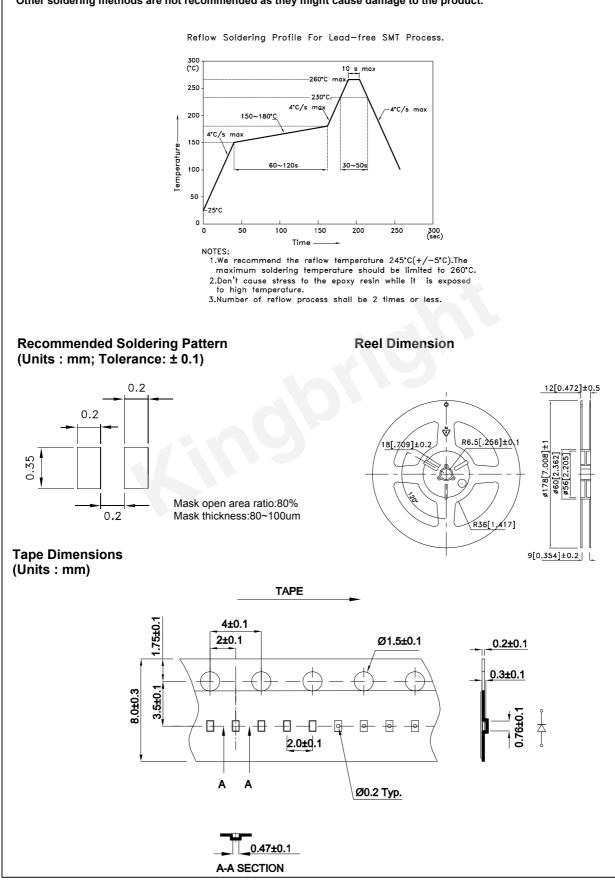
Notes:

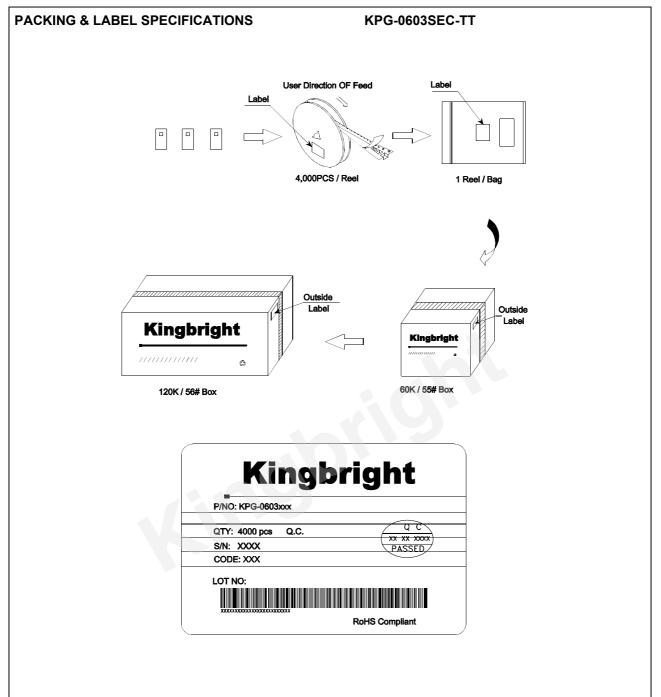
 1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. Relative humidity levels maintained between 40% and 60% in production area are recommended to avoid the build-up of static electricity - Ref JEDEC/JESD625-A and JEDEC/J-STD-033.



KPG-0603SEC-TT

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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