3.2x1.6mm SMD CHIP LED LAMP

Part Number: KP-3216ZGC

ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

- 3.2mmx1.6mm SMD LED, 1.1mm thickness.
- Low power consumption.
- Wide viewing angle.
- Ideal for backlight and indicator.
- Package : 2000pcs / reel.
- Moisture sensitivity level : level 3.
- RoHS compliant.

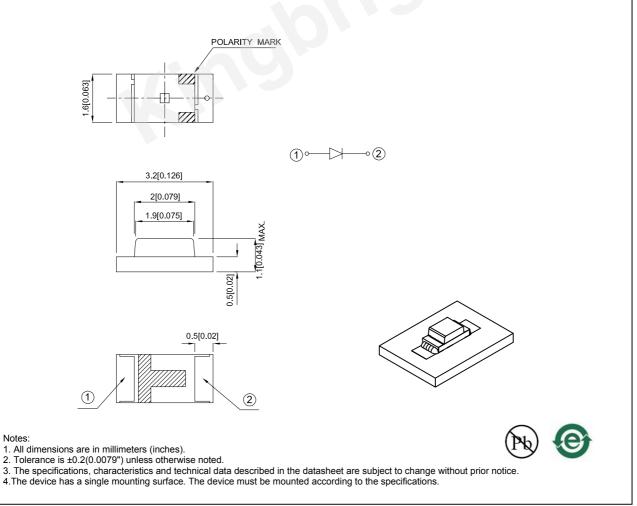
Descriptions

• The Green source color devices are made with InGaN on Sapphire Light Emitting Diode.

Green

- Electrostatic discharge and power surge could damage the LEDs.
- It is recommended to use a wrist band or antielectrostatic glove when handling the LEDs.
- All devices, equipments and machineries must be electrically grounded.

Package Dimensions



SPEC NO: DSAE3253 APPROVED: Wynec REV NO: V.12B CHECKED: Allen Liu DATE: AUG/04/2015 DRAWN: F.T.Liu PAGE: 1 OF 5 ERP: 1203003539

Selection Guide

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Part No.	Emitting Color (Material)	Lens Type	lv (mcd) [2] @ 20mA		· /···		Viewing Angle [1]
			Min.	Тур.	201/2		
KP-3216ZGC	Green (InGaN)	Water Clear	200	400	120°		

Notes:

1. θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.

2. Luminous intensity/ luminous Flux: +/-15%

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

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Emitting Color	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Green	515		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Green	525		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Green	30		nm	I⊧=20mA
С	Capacitance	Green	45		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Green	3.3	4.1	V	I⊧=20mA
IR	Reverse Current	Green		50	uA	VR=5V

Notes:

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

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

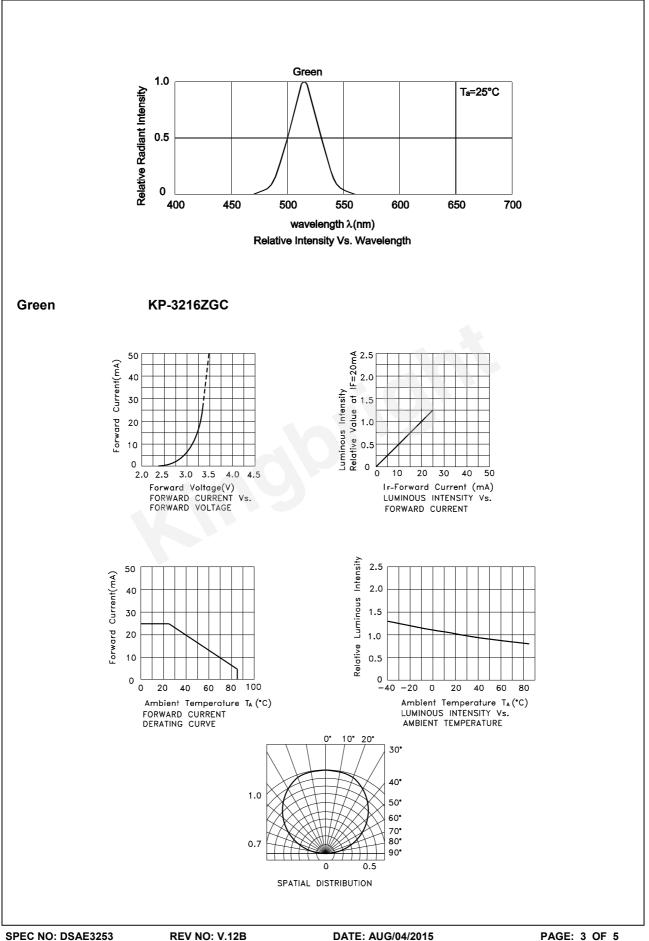
4. Excess driving current and/or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

Absolute Maximum Ratings at TA=25°C

Parameter	Values	Units	
Power dissipation	102.5	mW	
DC Forward Current	25	mA	
Peak Forward Current [1]	150	mA	
Electrostatic Discharge Threshold (HBM)	450	V	
Reverse Voltage	5	V	
Operating Temperature	-40°C To +85°C		
Storage Temperature -40°C To +85°C			

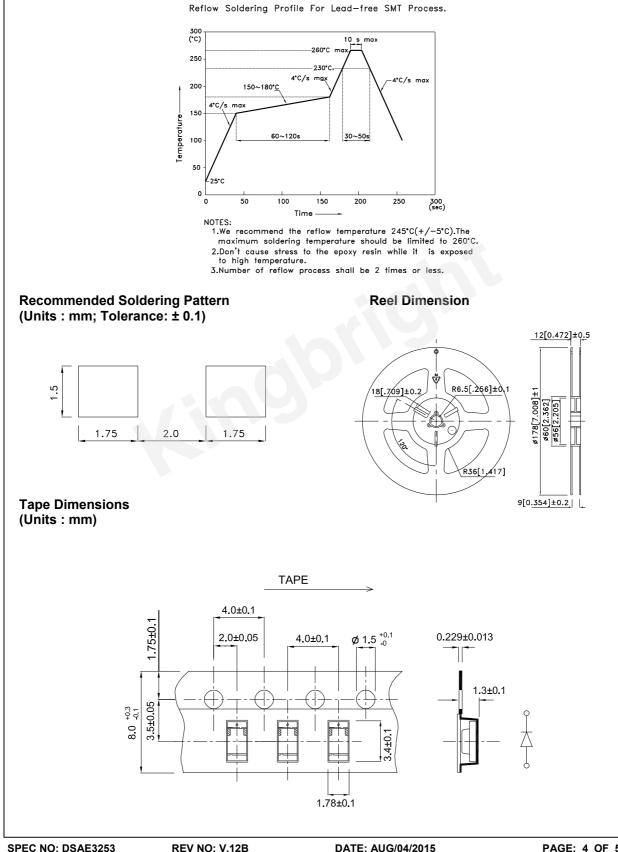
Note:

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



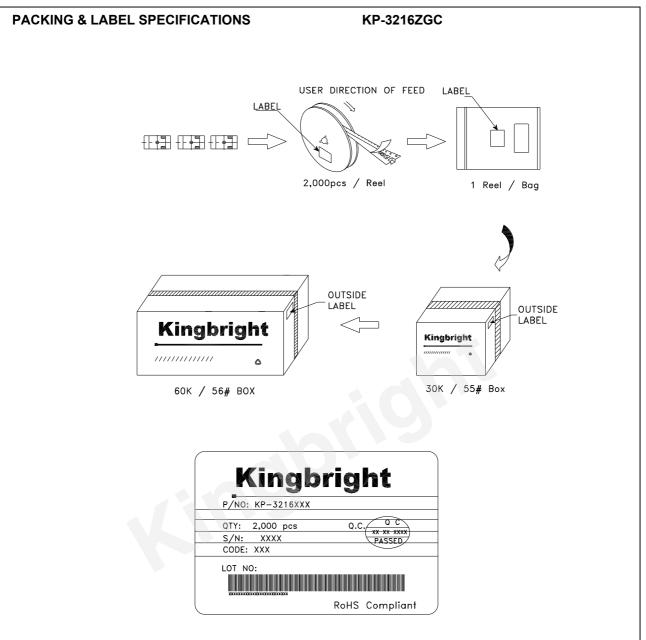
KP-3216ZGC

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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