1.6x0.6mm RIGHT ANGLE SMD CHIP LED LAMP

Part Number: KPA-1606CGCK Green



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

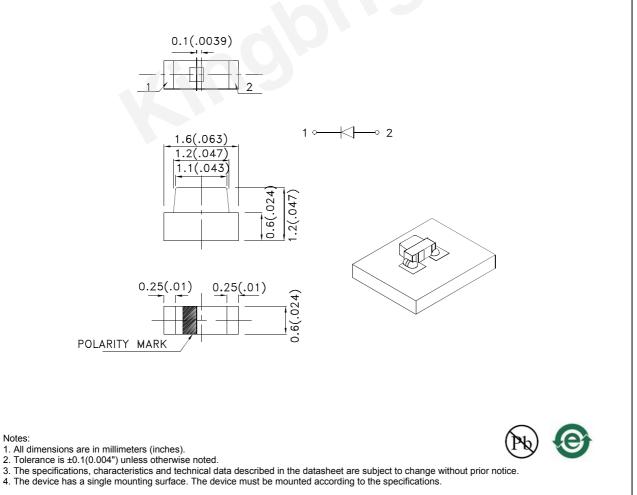
Features

- 1.6x1.2x0.6mm right angle SMD LED, 0.6mm thickness.
- Low power consumption.
- Wide viewing angle.
- Ideal for backlight and indicator.
- Package :2000pcs / reel.
- Moisture sensitivity level : level 3.
- Tinned pads for improved solderability.
- RoHS compliant.

Descriptions

- The Green source color devices are made with AlGaInP on GaAs substrate Light Emitting Diode.
- 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: DSAB7060 APPROVED: Wynec REV NO: V.16B CHECKED: Allen Liu DATE: JUL/25/2016 DRAWN: W.Q.Zhong PAGE: 1 OF 5 ERP: 1203000448

Selection Guide

Part No.	Emitting Color (Material)	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]				
			Min.	Тур.	201/2				
KPA-1606CGCK	Green (AlGaInP)	Water Clear	20	50	110°				

Notes:

01/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.
Luminous intensity / luminous Flux: +/-15%.

3. 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	Green	574		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Green	570		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Green	20		nm	I⊧=20mA
С	Capacitance	Green	15		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Green	2.1	2.5	V	I⊧=20mA
lr	Reverse Current	Green		10	uA	VR=5V

Notes: 1. Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V. 3. Wavelength value is traceable to CIE127-2007 standards.

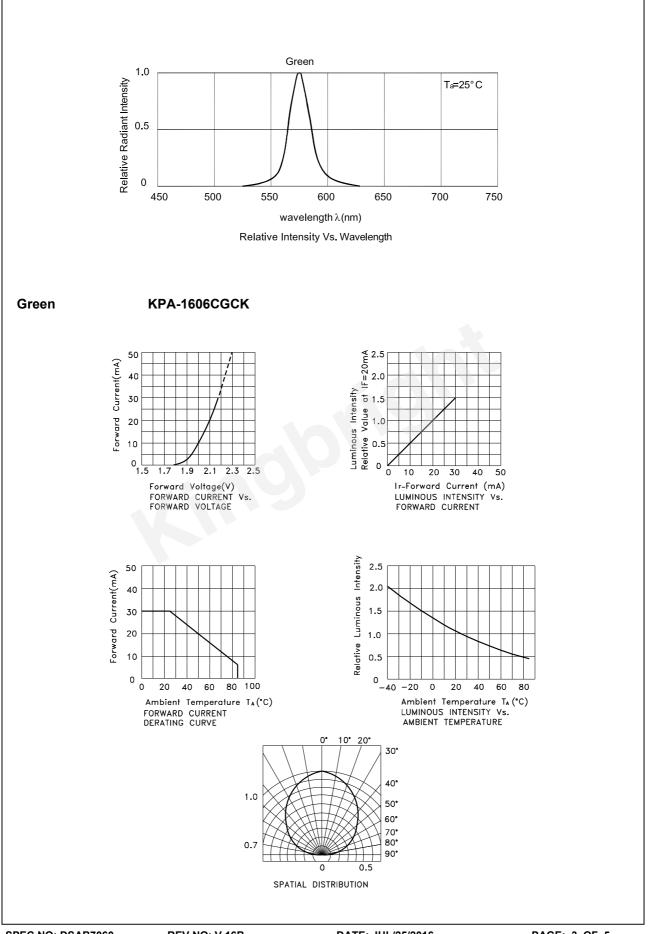
Excess driving current and / or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

Absolute Maximum Ratings at TA=25°C

Parameter	Values	Units		
Power dissipation	75	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			

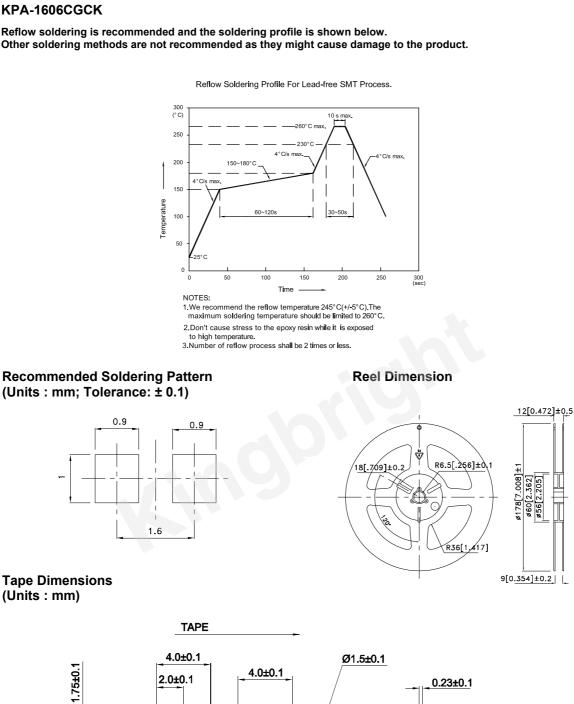
Notes:

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.



KPA-1606CGCK

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.



3.5±0.

8.0±0.2

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1.32±0.1 A-A Section

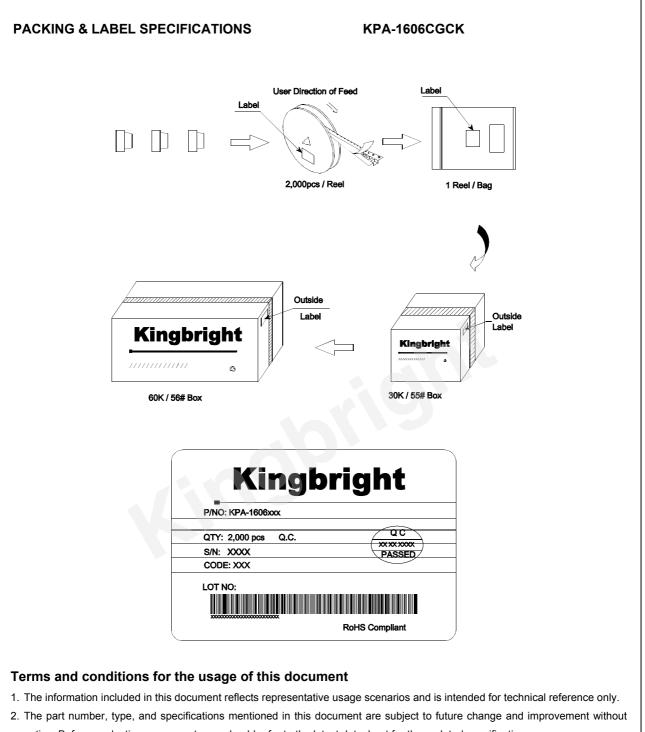
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Ø0.5 Typ.

0.8±0.1

78±0.

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