1.6X0.8mm SMD CHIP LED LAMP

Part Number: KPT-1608CGCK

Green

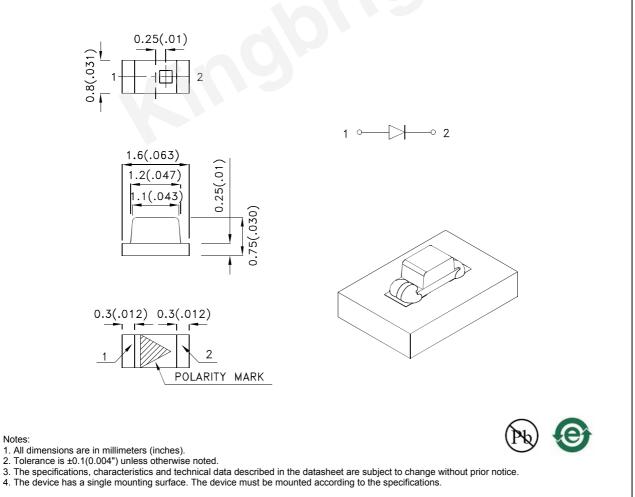
Features

- 1.6mmX0.8mm SMT LED, 0.75mm thickness.
- Low power consumption.
- Wide viewing angle.
- Ideal for backlight and indicator.
- Various colors and lens types available.
- Package: 2000pcs / reel .
- Moisture sensitivity level : level 3.
- RoHS compliant.

Description

The Green source color devices are made with AlGaInP on GaAs substrate Light Emitting Diode.

Package Dimensions



SPEC NO: DSAB4708 APPROVED: WYNEC REV NO: V.21B CHECKED: Allen Liu DATE: AUG/26/2013 DRAWN: D.N.Huang PAGE: 1 OF 5 ERP: 1203001646

Selection Guide

Selection Guide					
Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	201/2
KPT-1608CGCK	Green (AlGaInP)	Water Clear	20	50	120°

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

Notes:

1.Wavelength: +/-1nm.

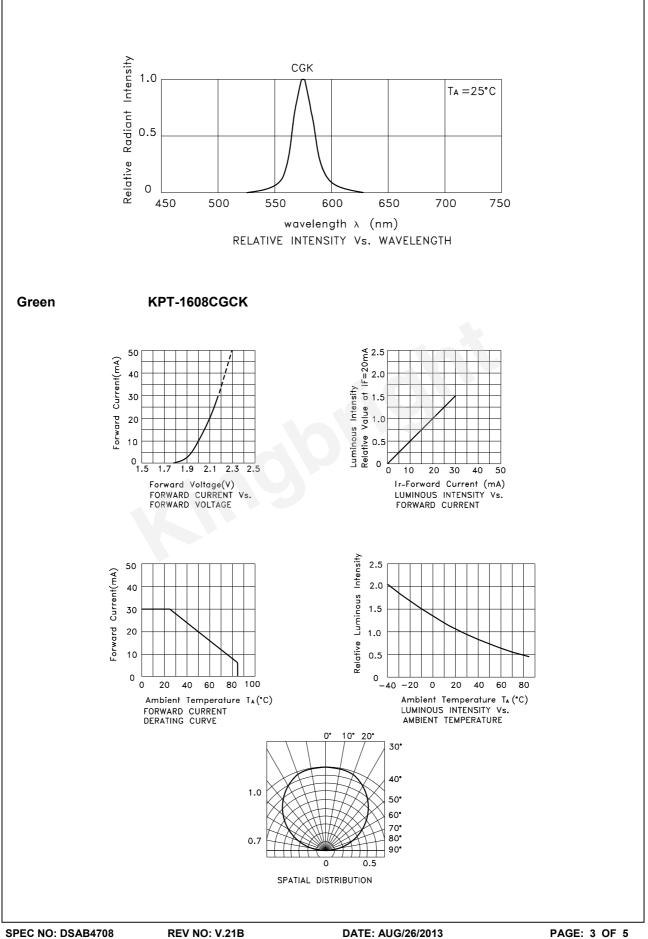
2. Forward Voltage: +/-0.1V.

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

Absolute Maximum Ratings at TA=25°C

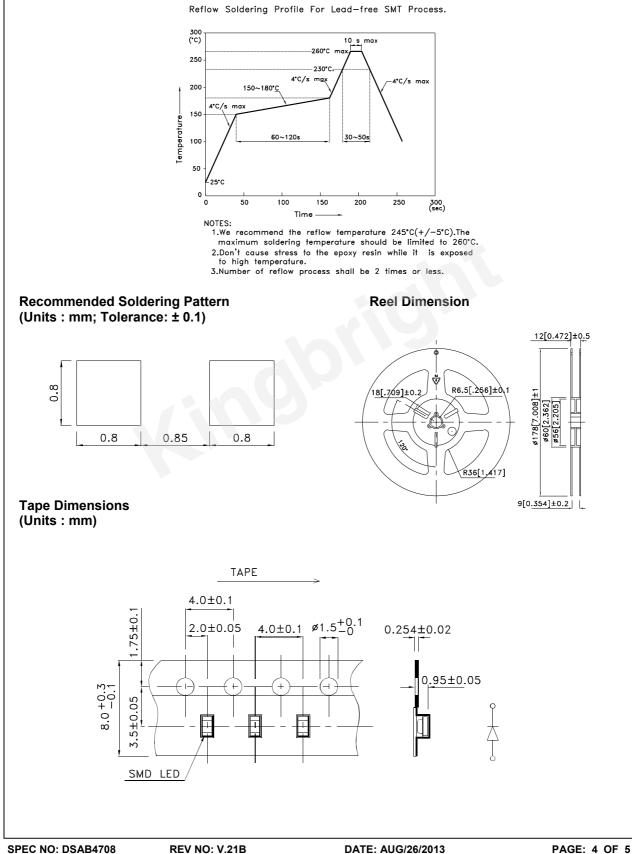
Parameter	Green	Units		
Power dissipation	75	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	150	mA		
Reverse Voltage	5	V		
Operating Temperature	-40°C To +85°C			
Storage Temperature	-40°C To +85°C			

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

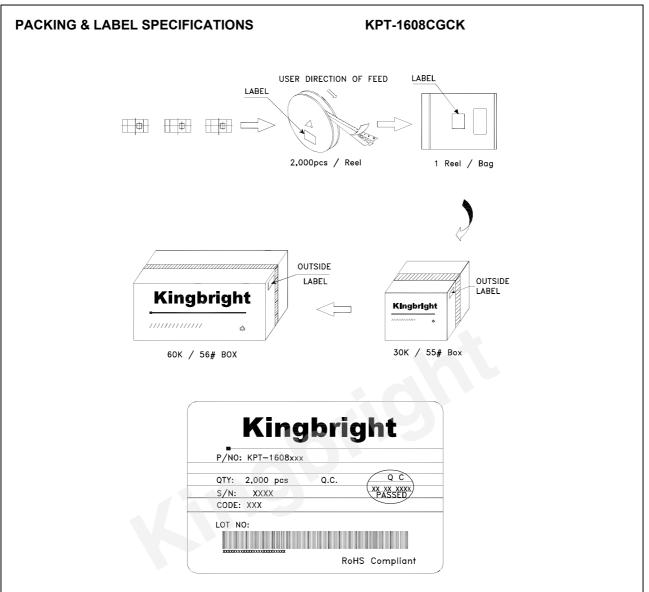


KPT-1608CGCK

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.



DATE: AUG/26/2013 DRAWN: D.N.Huang



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