3.5x2.8mm SMD CHIP LED LAMP

Part Number: KPED-3528CGCK Green

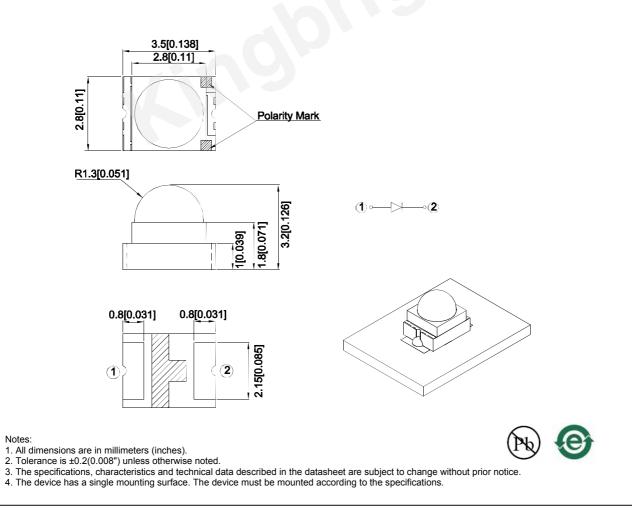
Features

- Single color.
- Suitable for all SMD assembly and solder process.
- Ideal for backlighting.
- Available on tape and reel.
- Package: 500pcs / 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



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Selection Guide

Part No.	Emitting Color (Material)	Lens Type	lv (mcd) [2] @ 20mA		lv (mcd) [2] @ 20mA		Viewing Angle [1]	
			Min.	Тур.	201/2			
KPED-3528CGCK	Green (AlGaInP)	Water Clear	80	200	40°			

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	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.

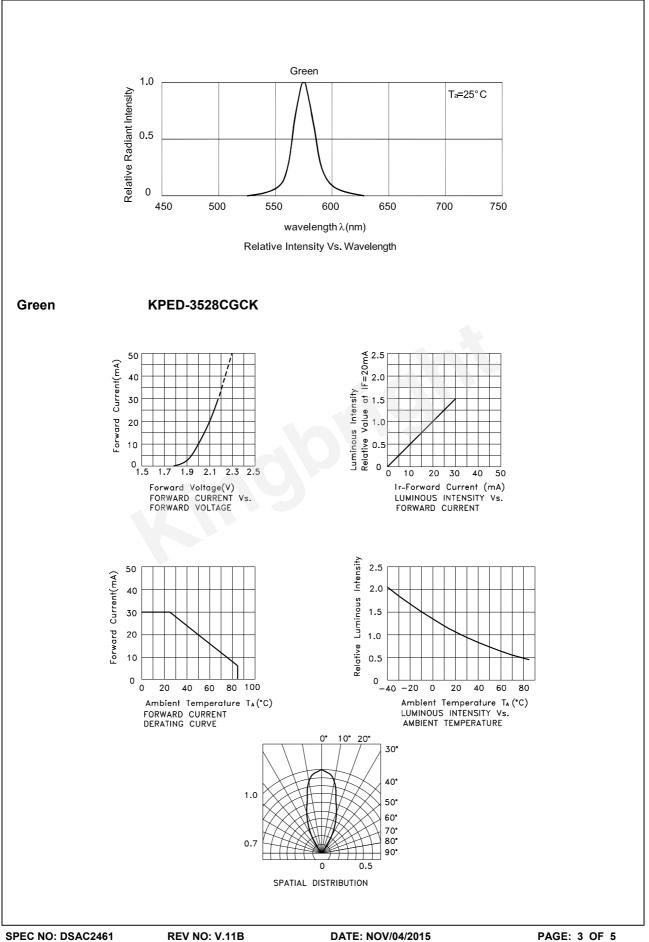
Wavelength value is traceable to the CIE127-2007 compliant national standards.
Excess driving current and / or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

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			

Note:

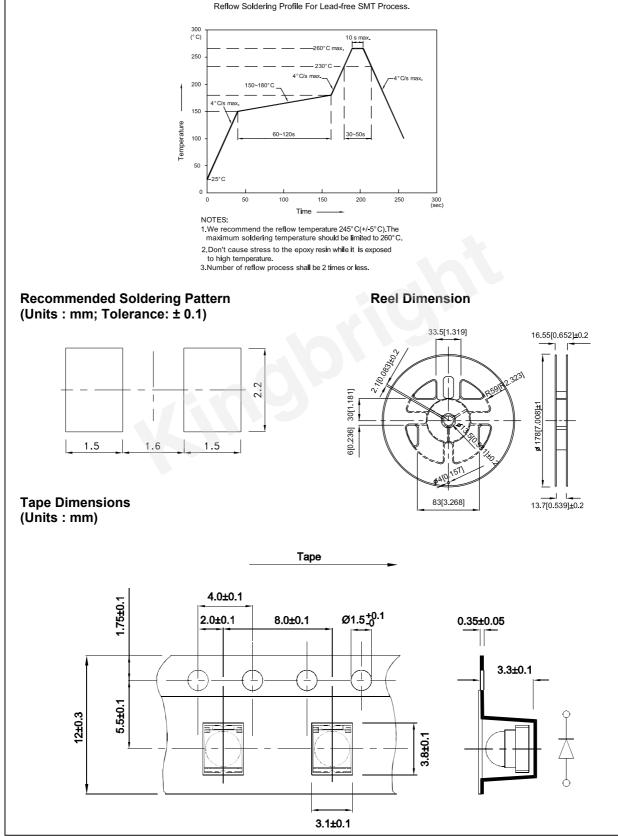
1. 1/10 Duty Cycle, 0.1ms Pulse Width.



KPED-3528CGCK

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.



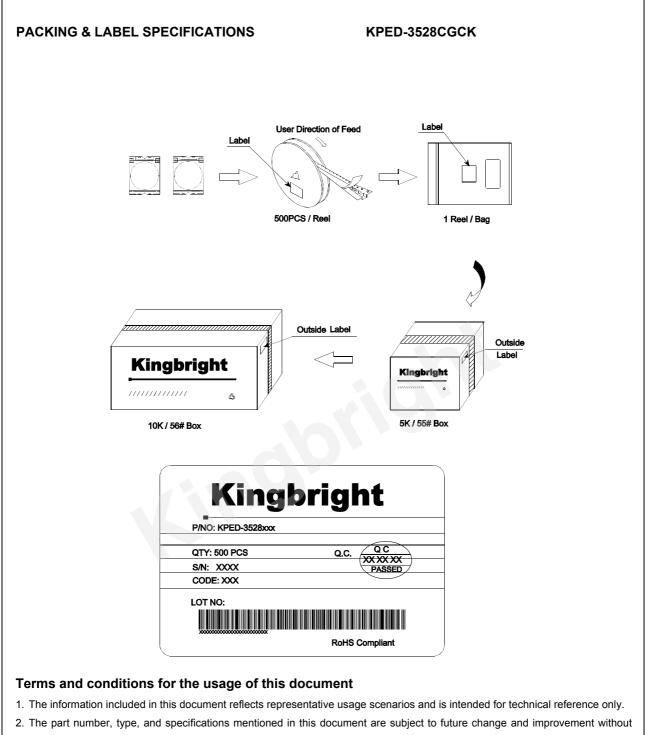


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