3.0mmx1.0 mm RIGHT ANGLE SMD CHIP LED LAMP

Part Number: KPA-3010QBC-D

Blue



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

- 3.0mmx1.0mm right angle SMT LED, 2.0mm thickness.
- Low power consumption.
- Wide viewing angle.
- Ideal for back light and indicator.
- Various colors and lens types available.
- Package : 2000pcs / reel.
- Moisture sensitivity level : level 3.
- Tinned pads for improved solderability.
- RoHS compliant.

Description

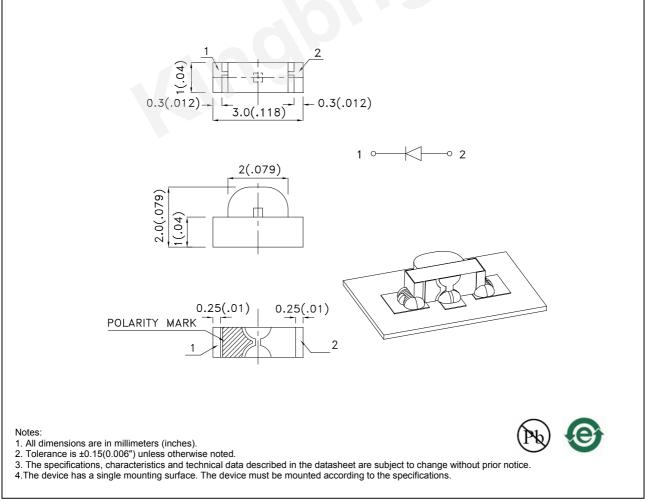
The Blue source color devices are made with InGaN Light Emitting Diode.

Static electricity and surge damage the LEDS.

It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs.

All devices, equipment and machinery must be electrically grounded.

Package Dimensions



SPEC NO: DSAB3522 APPROVED: WYNEC REV NO: V.15B CHECKED: Allen Liu DATE: MAR/01/2013 DRAWN: F.Cui PAGE: 1 OF 5 ERP: 1203000606

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Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]	
			Min.	Тур.	201/2	
KPA-3010QBC-D	Blue (InGaN)	Water Clear	40	80	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	Device	Тур.	Max.	Units	Test Conditions	
λpeak	Peak Wavelength	Blue	460		nm	IF=20mA	
λD [1]	Dominant Wavelength	Blue	465		nm	IF=20mA	
Δλ1/2	Spectral Line Half-width	Blue	25		nm	IF=20mA	
С	Capacitance	Blue	100		pF	VF=0V;f=1MHz	
Vf [2]	Forward Voltage	Blue	3.3	4	V	IF=20mA	
lr	Reverse Current	Blue		50	uA	VR=5V	

Notes:

1.Wavelength: +/-1nm.

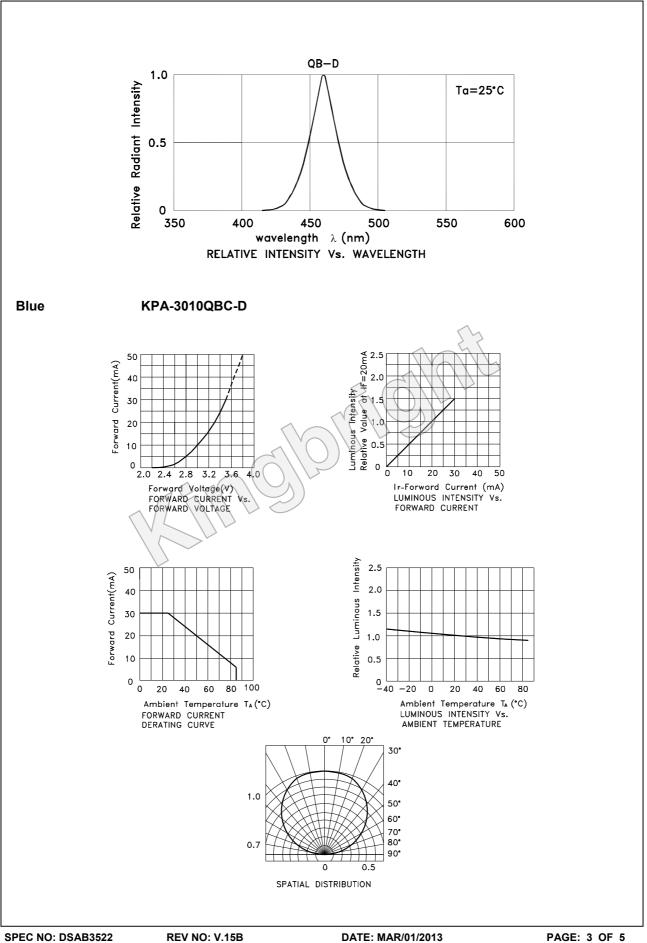
Wavelength: +/-1nm.
Forward Voltage: +/-0.1V.
Wavelength value is traceable to the CIE127-2007 compliant national standards.

Absolute Maximum Ratings at TA=25°C

Parameter	Blue	Units	
Power dissipation	120	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:

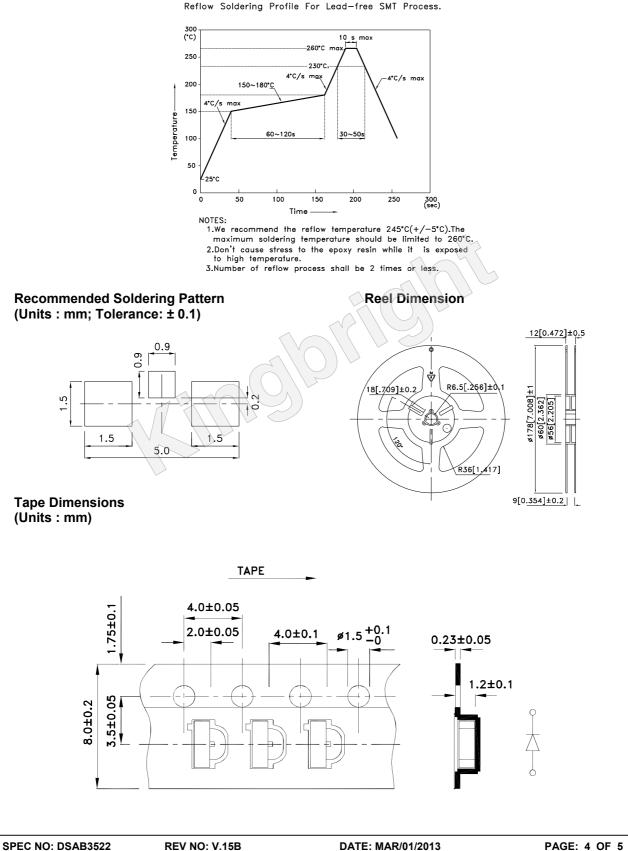
1. 1/10 Duty Cycle, 0.1ms Pulse Width.



KPA-3010QBC-D

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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