3.2x1.6mm SMD CHIP LED LAMP

Part Number: KP-3216QBC-D Blue



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

- 3.2mmx1.6mm SMT LED, 1.1mm 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

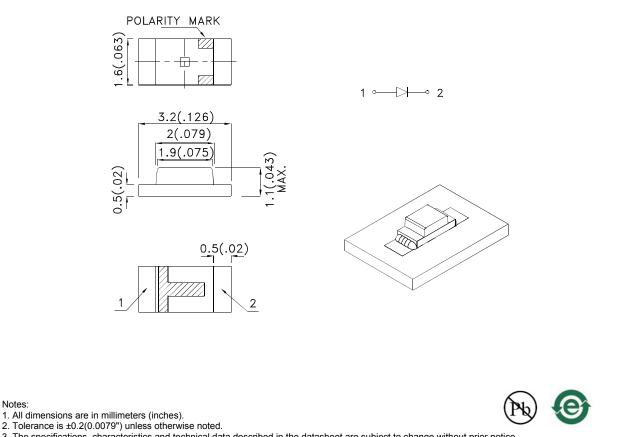
The Blue source color devices are made with InGaN Light Emitting Diode.

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



The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.
The device has a single mounting surface. The device must be mounted according to the specifications.

SPEC NO: DSAB8267 APPROVED: WYNEC

Notes:

REV NO: V.11A **CHECKED:** Allen Liu

DATE: FEB/16/2012 DRAWN: D.M.Su

PAGE: 1 OF 5 ERP: 1203000387

Selection Guide

Oelection Oulde					
Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	201/2
KP-3216QBC-D	Blue (InGaN)	Water Clear	40	100	120°

Notes:

1. 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%.
* Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.		Тур.		Max.	Units	Test Conditions
λpeak	Peak Wavelength	Blue	468	*460		nm	I⊧=20mA		
λD [1]	Dominant Wavelength	Blue	470	*465		nm	I⊧=20mA		
Δλ1/2	Spectral Line Half-width	Blue	25			nm	I⊧=20mA		
С	Capacitance	Blue	100			pF	V⊧=0V;f=1MHz		
Vf [2]	Forward Voltage	Blue	3.3		4	V	IF=20mA		
lr	Reverse Current	Blue			50	uA	VR=5V		

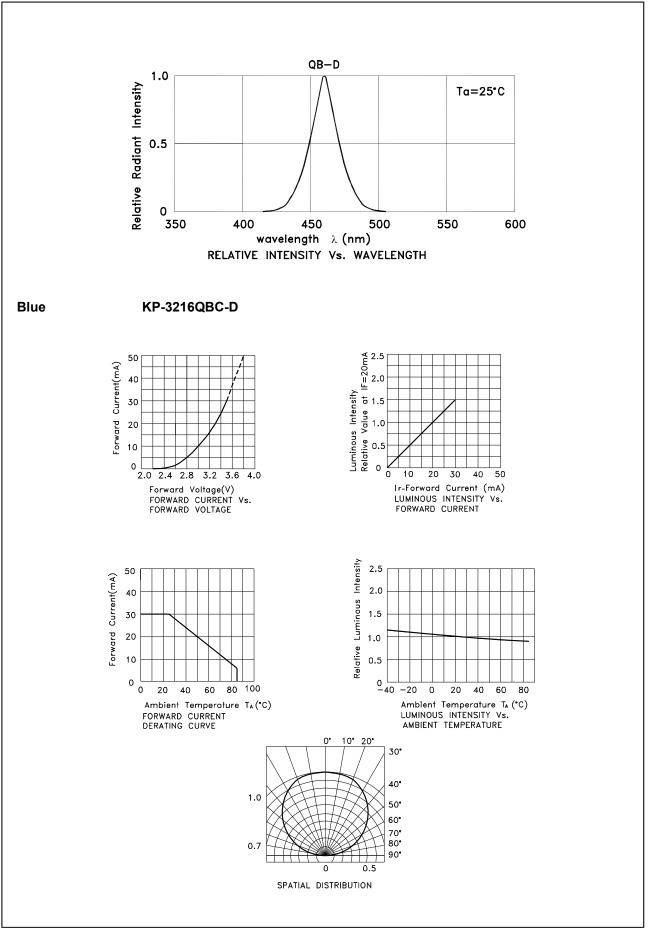
Notes: 1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V. * Wavelength value is traceable to the CIE127-2007 compliant national standards.

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			

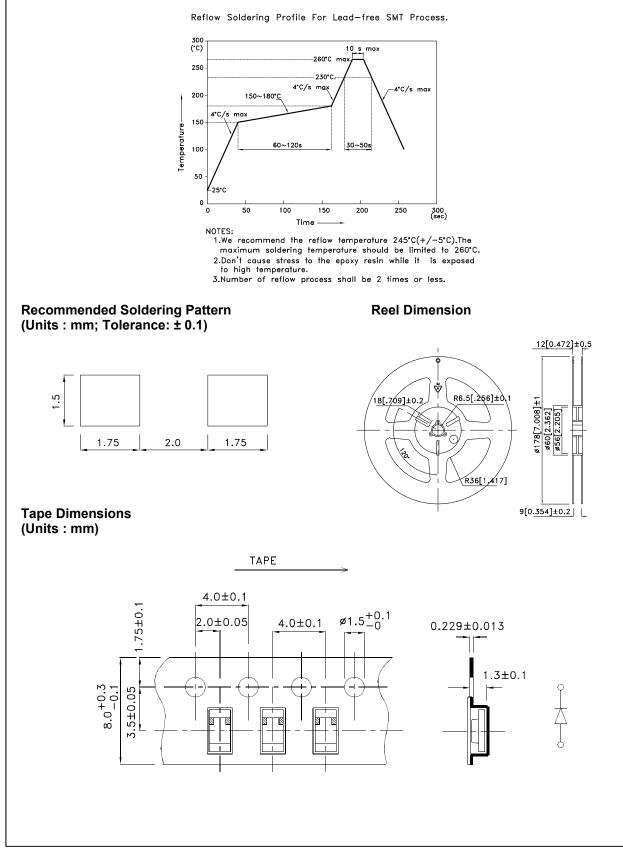
Note:

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



KP-3216QBC-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.



DATE: FEB/16/2012 DRAWN: D.M.Su PAGE: 4 OF 5 ERP: 1203000387

