3.2X1.6mm SMD CHIP LED LAMP

Part Number: KPC-3216QBC-D



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

- 3.2X1.6mm 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.

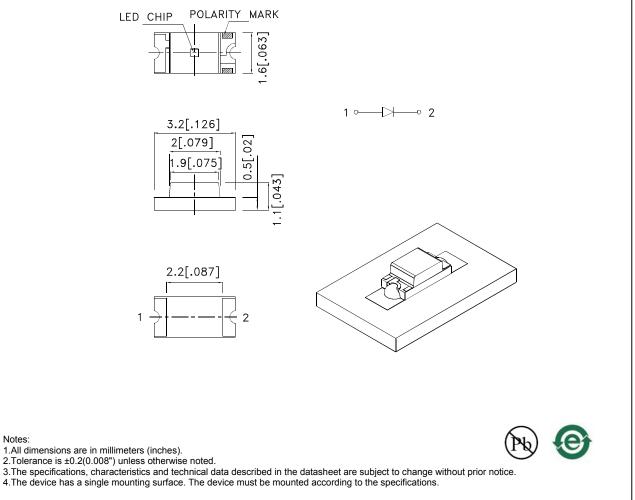
Blue

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: DSAD6796 **APPROVED: WYNEC**

Notes:

REV NO: V.7 CHECKED: Allen Liu DATE: DEC/06/2010 DRAWN: Y.H.Wu

PAGE: 1 OF 5 ERP: 1203002769

Selection Guide

Part No.	Dice	Lens Type	lv (mo @ 20	·	Viewing Angle [1]
			Min.	Тур.	201/2
KPC-3216QBC-D	Blue (InGaN)	Water Clear	55	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%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Typ. Max.		Units	Test Conditions	
λpeak	Peak Wavelength	Blue	468		nm	IF=20mA	
λD [1]	Dominant Wavelength	Blue	470		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	I⊧=20mA	
lr	Reverse Current	Blue		50	uA	Vr=5V	

Notes:

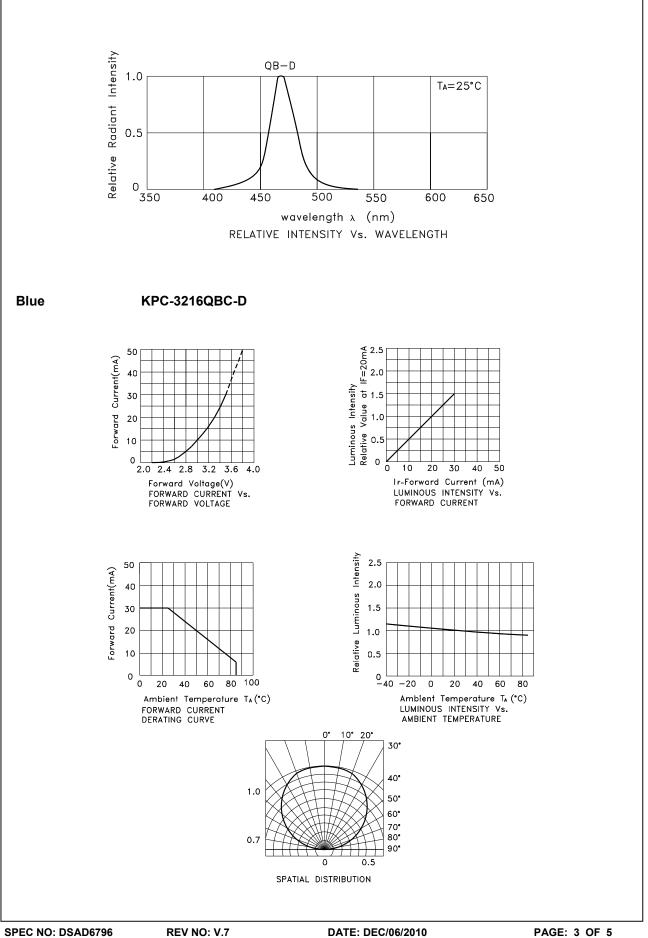
1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V.

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			

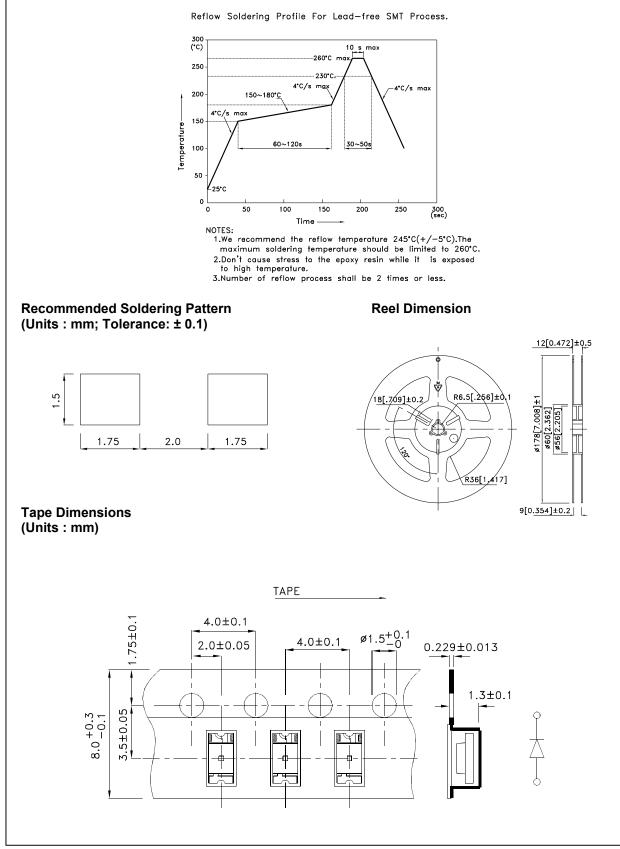
Note:

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



KPC-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.



REV NO: V.7 CHECKED: Allen Liu DATE: DEC/06/2010 DRAWN: Y.H.Wu PAGE: 4 OF 5 ERP: 1203002769

