1.6X0.8mm SMD CHIP LED LAMP (0.25mm Height)

Part Number: APG1608QBC/D

Blue



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

- 1.6mmX0.8mm SMT LED, 0.25mm thickness.
- Low power consumption.
- Wide viewing angle.
- Compatible with automatic placement equipment.
- Ideal for backlight and indicator.
- 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.

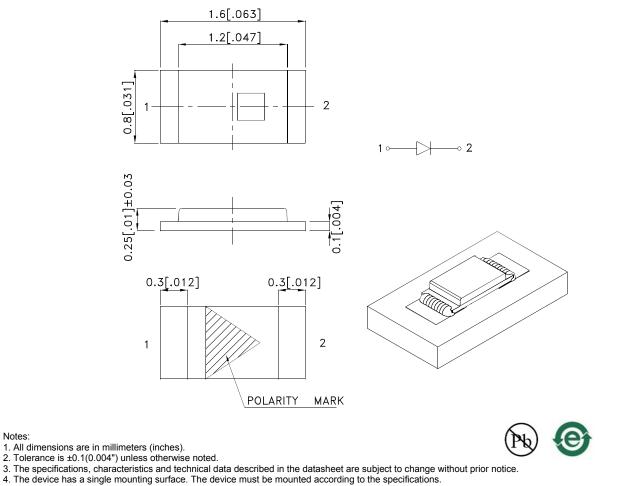
It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs.

All devices, equipment and machinery must be electrically grounded.

Applications

1. Mobile phone Keypad indicator and backlight. 2.Flat backlight for LCD, switch and symbol. 3.Toys.

Package Dimensions



Notes:

REV NO: V.5 CHECKED: Allen Liu DATE: SEP/16/2010 DRAWN: Y.H.Wu

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Selection Guide

			lv (mcd) [2] @ 20mA		Viewing Angle [1]
Part No.	Dice	Lens Type			
			Min.	Тур.	201/2
APG1608QBC/D	Blue (InGaN)	Water Clear	50	100	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%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Blue	468		nm	IF=20mA
λD [1]	Dominant Wavelength	Blue	470		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Blue	25		nm	I⊧=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

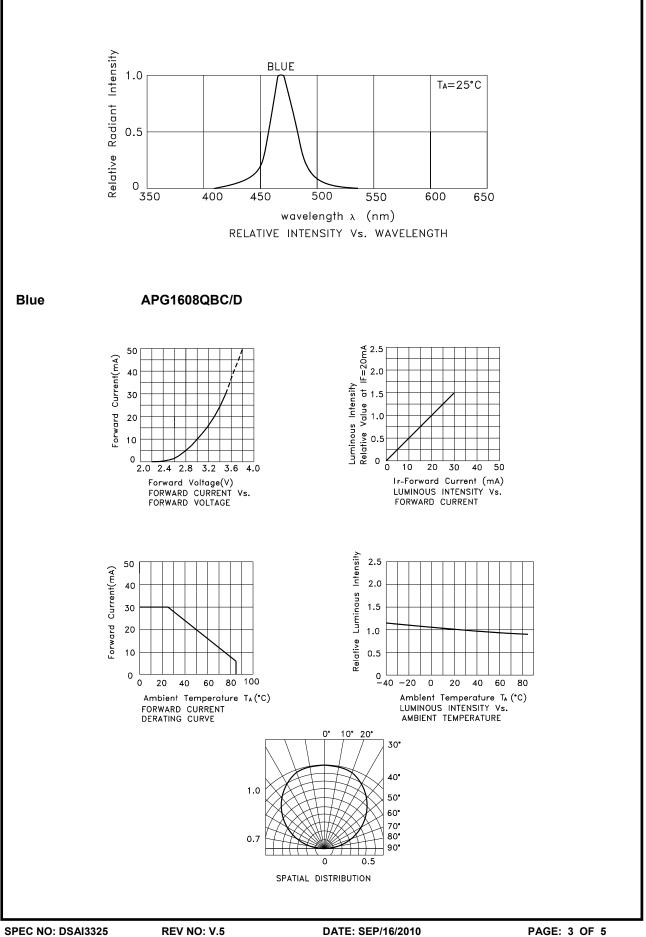
Notes: 1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V.

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:

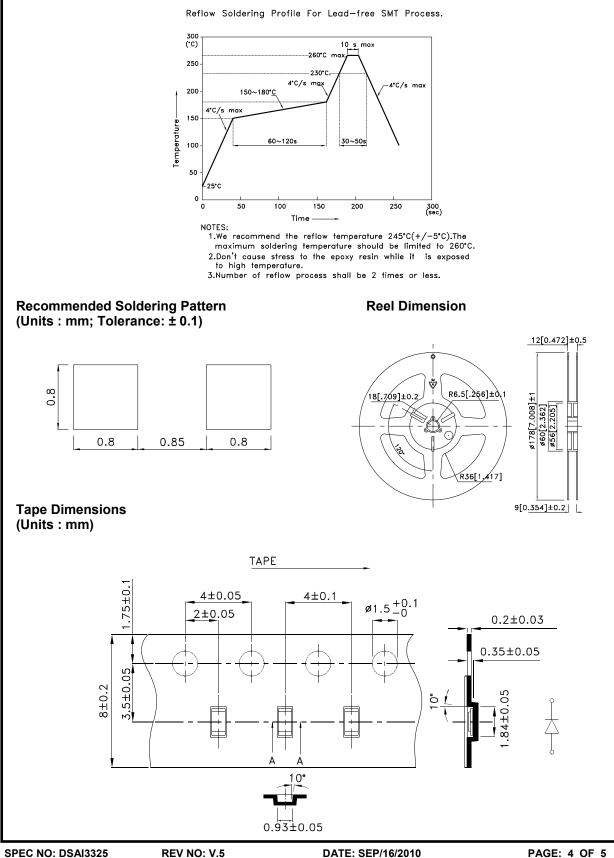
1. 1/10 Duty Cycle, 0.1ms Pulse Width.



DRAWN: Y.H.Wu

APG1608QBC/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.



SPEC NO: DSAI3325 APPROVED: WYNEC

CHECKED: Allen Liu

DRAWN: Y.H.Wu

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