1.6X0.8mm SMD CHIP LED LAMP

Part Number: APT1608MBC

Blue



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

- 1.6mmX0.8mm SMT LED, 0.75mm 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

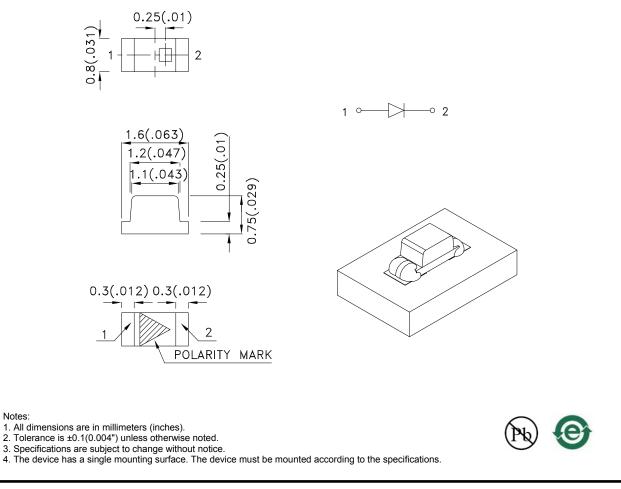
The Blue source color devices are made with GaN on SiC Light Emitting Diode.

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: DSAD0933 APPROVED: WYNEC REV NO: V.4 CHECKED: Allen Liu DATE: JUN/01/2007 DRAWN: Y.L.LI PAGE: 1 OF 5 ERP: 1203005414

Selection Guide lv (mcd) [2] Viewing Angle [1] @ 20mA Part No. Dice Lens Type 201/2 Min. Тур. APT1608MBC Blue (GaN) WATER CLEAR 4 10 120°

Notes:

θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
Luminous intensity/ luminous Flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Blue	430		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Blue	466		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Blue	60		nm	I⊧=20mA
С	Capacitance	Blue	100		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Blue	3.8	4.5	V	I⊧=20mA
lr	Reverse Current	Blue		10	uA	Vr=5V

Notes:

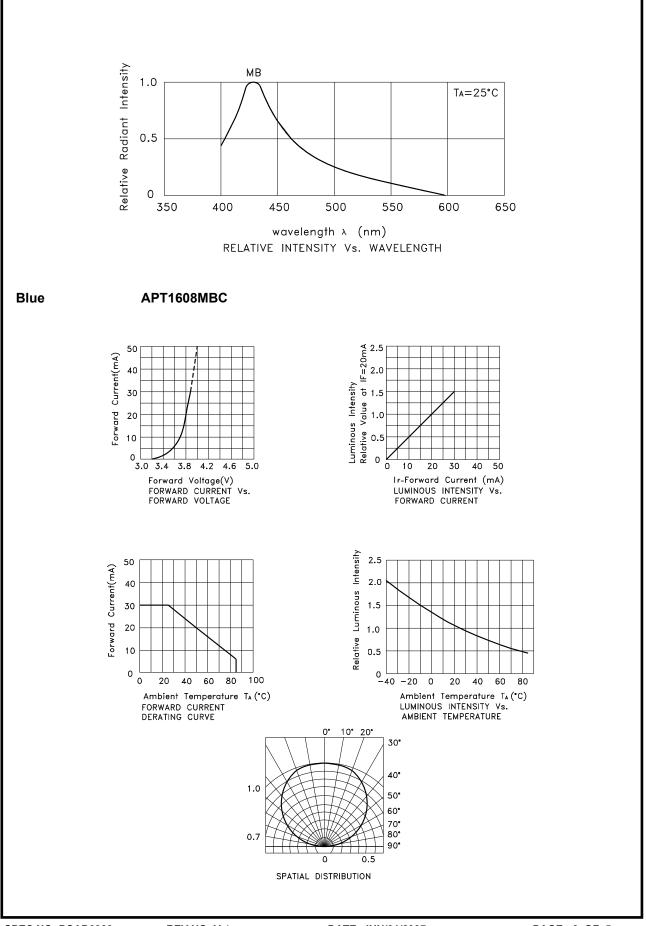
1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V.

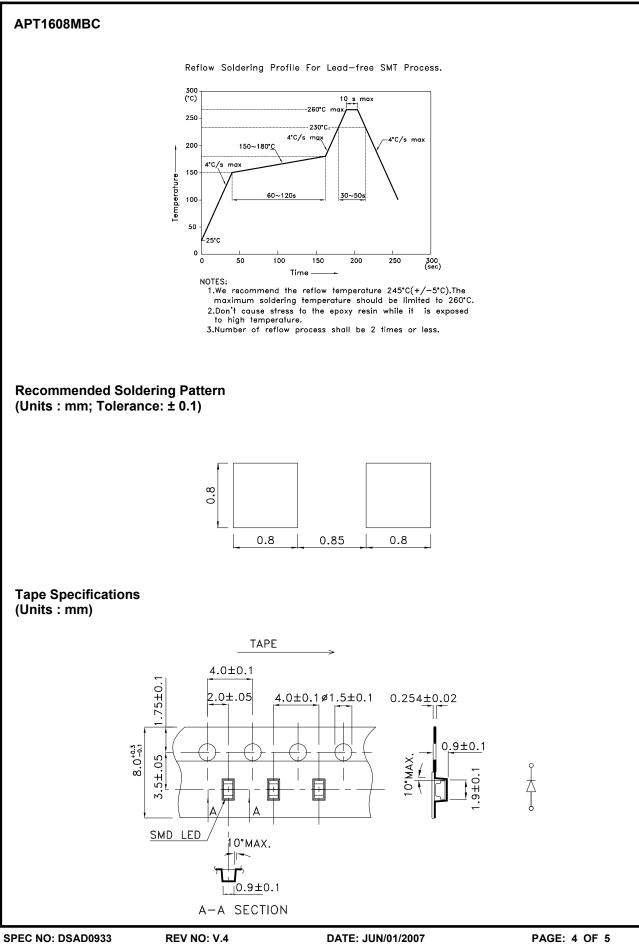
Absolute Maximum Ratings at TA=25°C

Parameter	Blue	Units		
Power dissipation	135	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.





REV NO: V.4 CHECKED: Allen Liu

