### 1.6X0.8mm SMD CHIP LED LAMP



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES AP1608MBC

BLUE

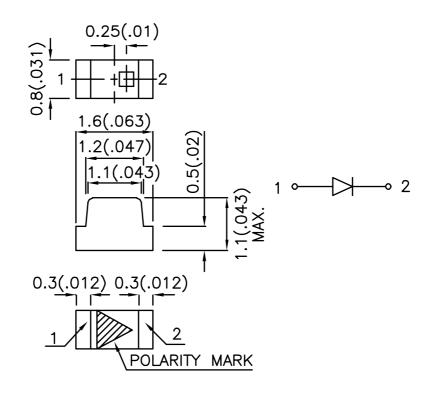
#### Features

1.6mmX0.8mm 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 .
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



Notes:

1. All dimensions are in millimeters (inches).

2. Tolerance is  $\pm 0.1(0.004")$  unless otherwise noted.

3.Specifications are subject to change without notice.

SPEC NO: DSAD0923 APPROVED: J. Lu REV NO: V.3 CHECKED: Allen Liu DATE: MAR/10/2005 DRAWN: B.H.LI PAGE: 1 OF 4 ERP: 1203000018

Selection Guide								
Part No.	Dice	Lens Type	lv (mcd) @ 20mA		Viewing Angle			
			Min.	Тур.	201/2			
AP1608MBC	BLUE (GaN)	WATER CLEAR	4	10	120°			

Note:

1.  $\theta$ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

### Electrical / Optical Characteristics at TA=25°C

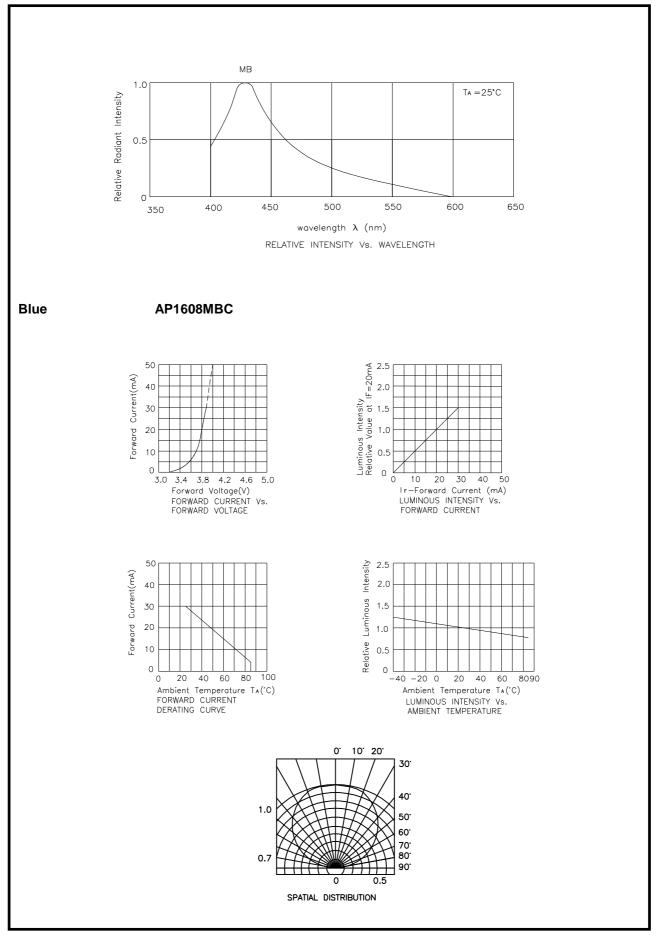
Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Blue	430		nm	IF=20mA
λD	Dominant Wavelength	Blue	466		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Blue	60		nm	IF=20mA
С	Capacitance	Blue	100		pF	VF=0V;f=1MHz
Vf	Forward Voltage	Blue	3.8	4.5	V	IF=20mA
IR	Reverse Current	Blue	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

### Absolute Maximum Ratings at TA=25°C

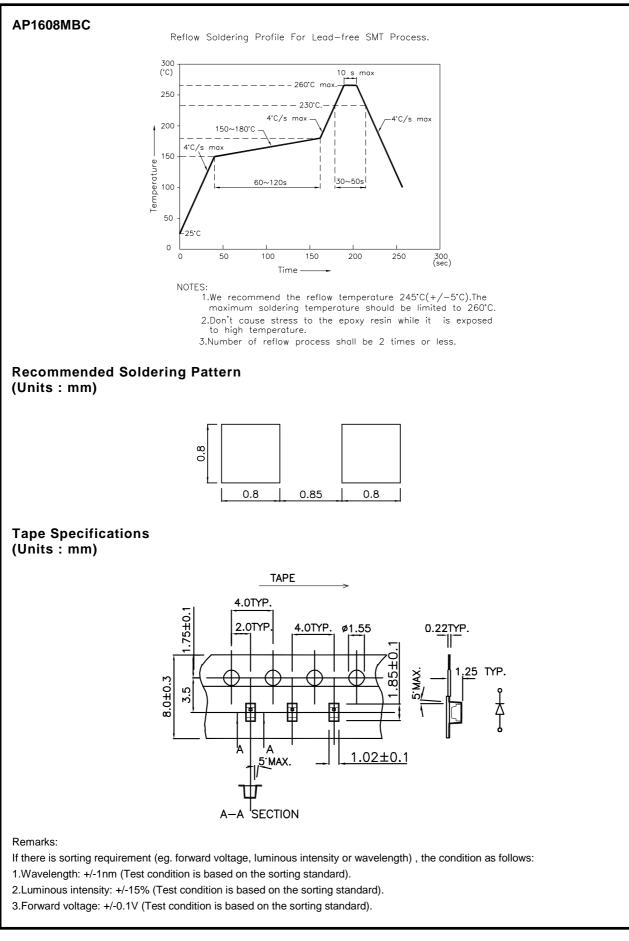
Parameter	Blue	Units
Power dissipation	105	mW
DC Forward Current	30	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	V
Operating / Storage Temperature -40°C To +85°C		

Note:

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



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