2.8X1.0mm RIGHT ANGLE SMD CHIP LED LAMP



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES APKA2810MBC

BLUE

Features

- •2.8mmX1.0mm RIGHT ANGLE SMT LED, 1.2mm THICKNESS.
- •LOW POWER CONSUMPTION.
- •IDEAL FOR BACKLIGHT AND INDICATOR.
- •VARIOUS COLORS AND LENS TYPES AVAILABLE.
- •PACKAGE : 2000PCS / REEL.
- RoHS COMPLIANT.

Description

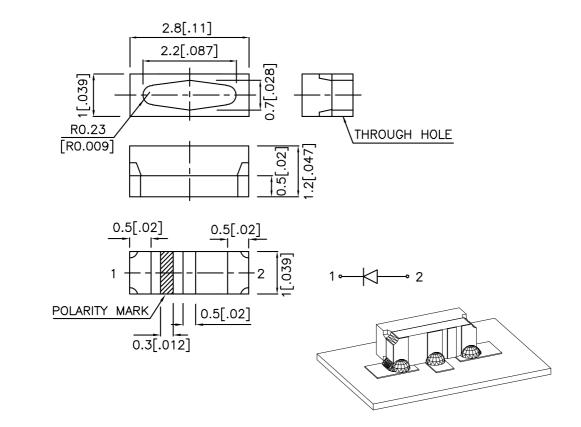
The Blue source color devices are made with GaN on SiC Light Emitting Diode.

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 $\pm 0.25(\pm 0.01")$ unless otherwise noted.

3. Specifications are subject to change without notice.

REV NO: V.3 CHECKED: Allen Liu DATE: JUN/30/2005 DRAWN: W.J.ZHU PAGE: 1 OF 5 ERP:1204000216

Selection Guide Iv (mcd) Viewing @ 20mA Angle Part No. Dice Lens Type Min. Тур. 201/2 90° APKA2810MBC BLUE (GaN) WATER CLEAR 4 12

Note:

1. θ 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

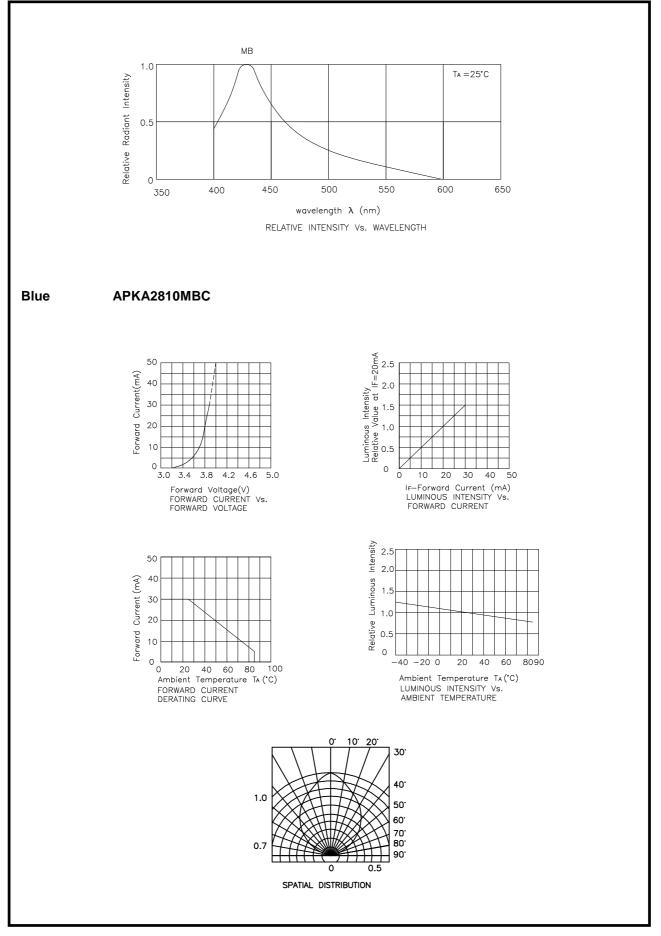
Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Blue	430		nm	I _F =20mA
λD	Dominant Wavelength	Blue	466		nm	I _F =20mA
Δλ1/2	Spectral Line Half-width	Blue	60		nm	I _F =20mA
С	Capacitance	Blue	100		pF	V _F =0V;f=1MHz
V _F	Forward Voltage	Blue	3.8	4.5	V	I _F =20mA
I _R	Reverse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

Absolute Maximum Ratings at TA=25°C

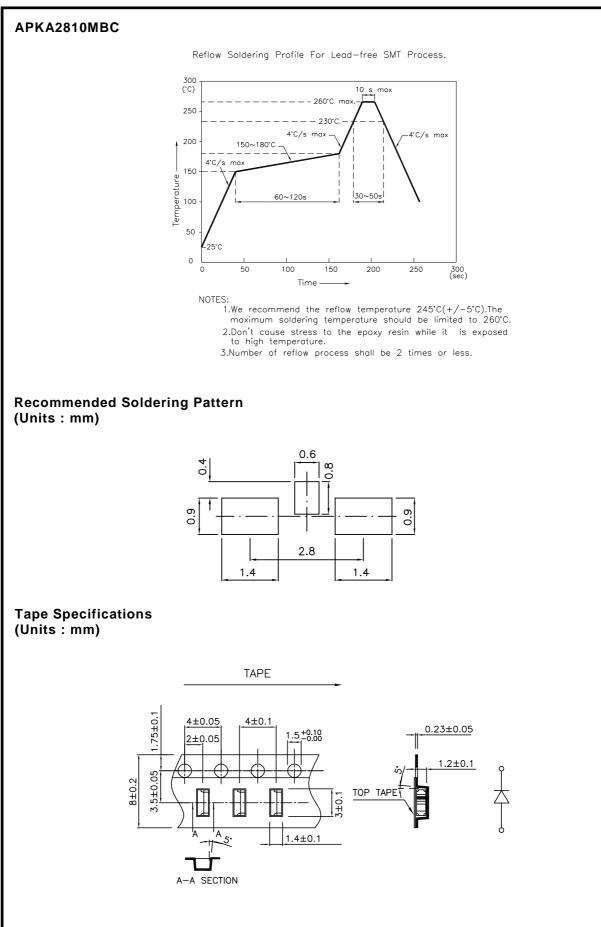
Parameter	Blue	Units
Power dissipation	105	mW
DC Forward Current	30	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	V
Operating / Storage Temperature	-40°C To +85°C	

Note:

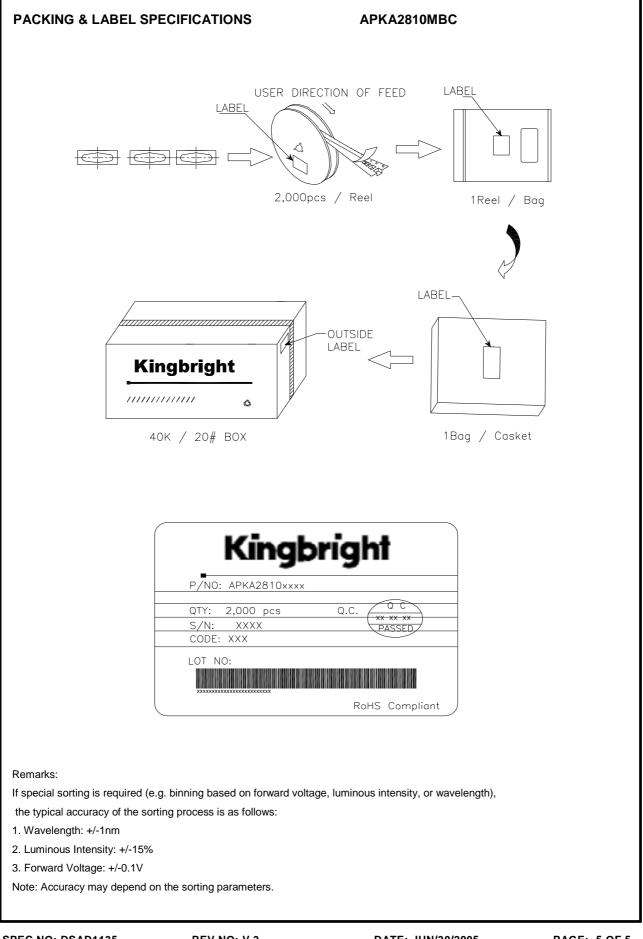
1. 1/10 Duty Cycle, 0.1ms Pulse Width.



SPEC NO: DSAD1135 APPROVED: J. Lu REV NO: V.3 CHECKED: Allen Liu DATE: JUN/30/2005 DRAWN: W.J.ZHU PAGE: 3 OF 5 ERP:1204000216



REV NO: V.3 CHECKED: Allen Liu DATE: JUN/30/2005 DRAWN: W.J.ZHU PAGE: 4 OF 5 ERP:1204000216



REV NO: V.3 CHECKED: Allen Liu DATE: JUN/30/2005 DRAWN: W.J.ZHU PAGE: 5 OF 5 ERP:1204000216