



ATTENTION **OBSERVE PRECAUTIONS** FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

• 1.6mmx0.6mm RIGHT ANGLE SMT LED,1.2mm 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.

1.6x0.6mm RIGHT ANGLE SMD CHIP LED LAMP

Part Number: KPA-1606PBC-A

Blue

Description

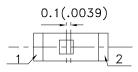
The Blue source color devices are made with InGaN on SiC Light Emitting Diode.

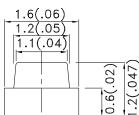
Static electricity and surge damage the LEDS.

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

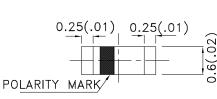
All devices, equipment and machinery must be electrically grounded.

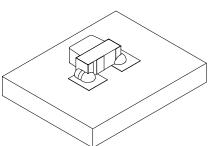
Package Dimensions





1 0-K <u>−</u> 2





Notes:

1. All dimensions are in millimeters (inches).

All differsions are in minimeters (incres).
 Tolerance is ±0.1(0.004") unless otherwise noted.
 Specifications are subject to change without notice.

4. The device has a single mounting surface. The device must be mounted according to the specifications.

SPEC NO: DSAG2224 APPROVED: WYNEC

REV NO: V.2 **CHECKED: Allen Liu** DATE: JUL/04/2007 DRAWN: S.J.LIU

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Selection Guide Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	201/2
KPA-1606PBC-A	Blue (InGaN)	WATER CLEAR	18	60	110°

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	468		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Blue	470		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Blue	21		nm	I⊧=20mA
С	Capacitance	Blue	100		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Blue	3.2	4	V	I⊧=20mA
lr	Reverse Current	Blue		10	uA	VR=5V

Notes:

1.Wavelength: +/-1nm.

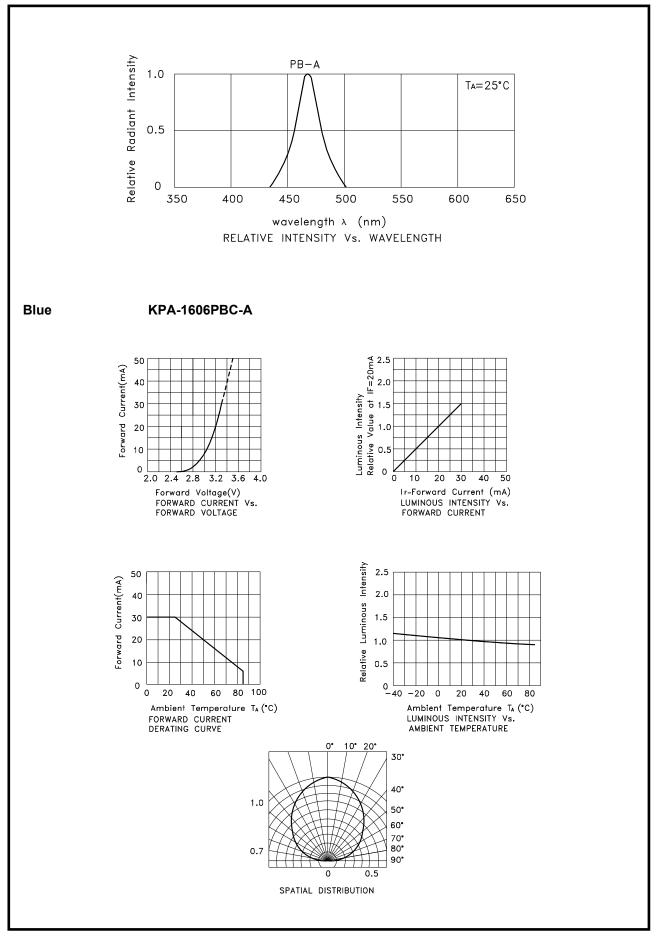
2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

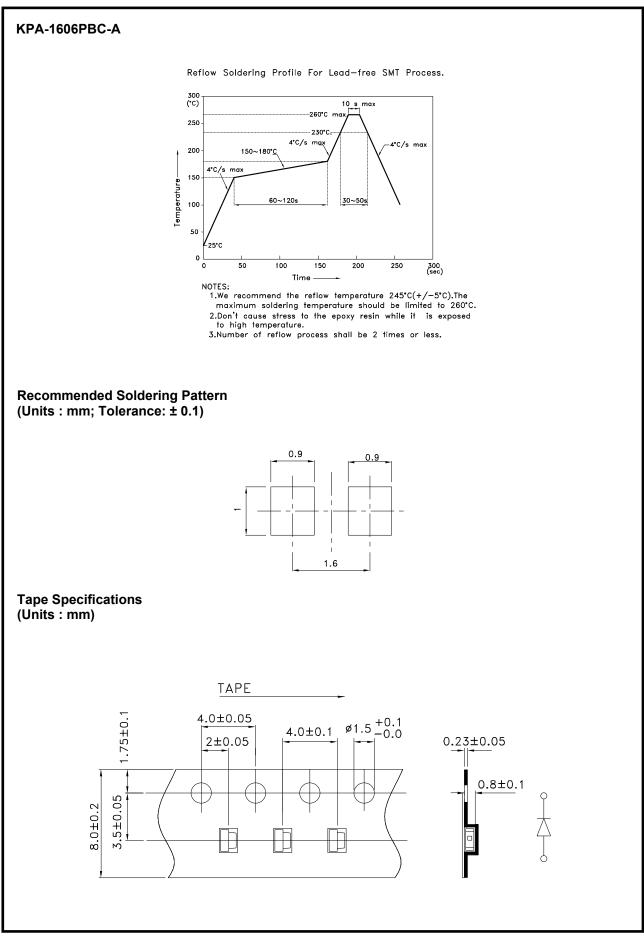
Parameter	Blue	Units	
Power dissipation	120	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	100	mA	
Reverse Voltage	5	V	
Operating Temperature	-40°C To +85°C		
Storage Temperature	-40°C To +85°C		

Note:

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



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