

3.2mmx1.6mm SMD CHIP LED LAMP

Features

- 3.2mmx1.6mm 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.

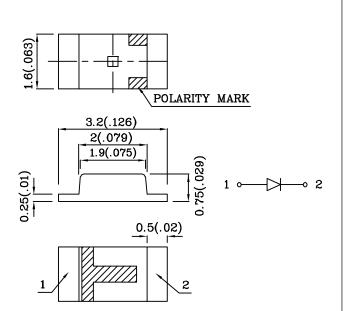


Notes:

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is $\pm 0.2(0.008")$ unless otherwise noted.

3.Specifications are subject to change without notice.

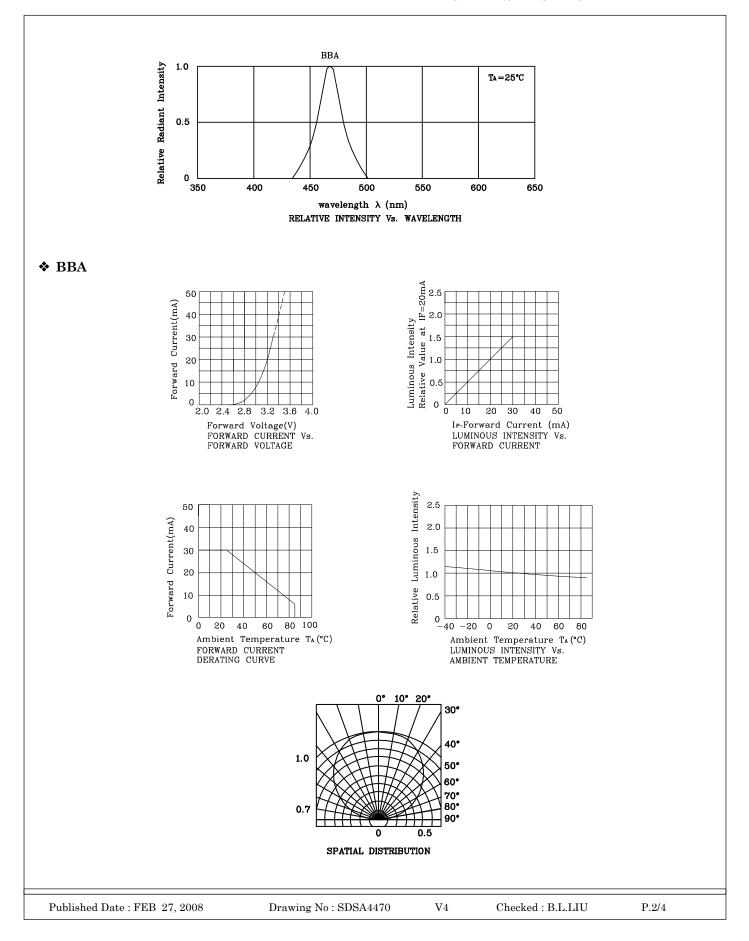
Absolute Maximum Rating (TA=25°C)	BBA (InGaN)	Unit	
Reverse Voltage	VR	5	V
Forward Current	IF	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	100	mA
Power Dissipation	Рт	120	mW
Operating Temperature	ТА	$-40 \sim +85$	°C
Storage Temperature	Tstg	$-40 \sim +85$	-0
Electrostatic Discharge Three (HBM)	1000	V	



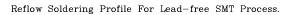
Operating Characteristic (TA=25°C)	BBA (InGaN)	Unit	
Forward Voltage (Typ.) (IF=20mA)	VF	3.2	v
Forward Voltage (Max.) (IF=20mA)	VF	4.0	v
Reverse Current (Max.) (VR=5V)	Ir	10	uA
Wavelength Of Peak Emission (Typ.) (IF=20mA)	λΡ	468	nm
Wavelength Of Dominant Emission (Typ.) (IF=20mA)	λD	470	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=20mA)	Δλ	21	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	С	100	pF

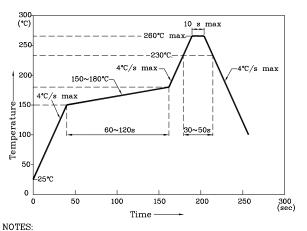
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd		Wavelength nm λ P	Viewing Angle 2 0 1/2
		min.	typ.				
ZBBA55W-1	Blue	InGaN	Water Clear	18	59	468	120°
Published Date :	FEB 27, 2008	Drawin	g No : SDSA4470	V4	Checked :	B.L.LIU	P.1/4









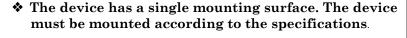


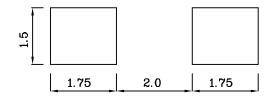
1. Maximum soldering temperature should not exceed 260°c.

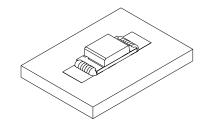
2. Recommended reflow temperature: $145^{\circ}c-260^{\circ}c.$

3. Do not put stress to the epoxy resin during high temperatures conditions.

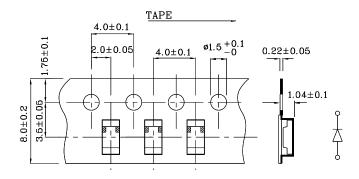
Recommended Soldering Pattern (Units : mm; Tolerance: ± 0.1)







✤ Tape Specification (Units : mm)



Remarks:

If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

- 1. Wavelength: +/-1nm
- 2. Luminous Intensity / Luminous Flux: +/-15%

3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

V4



