

3.0x1.0mm SMD CHIP LED LAMP

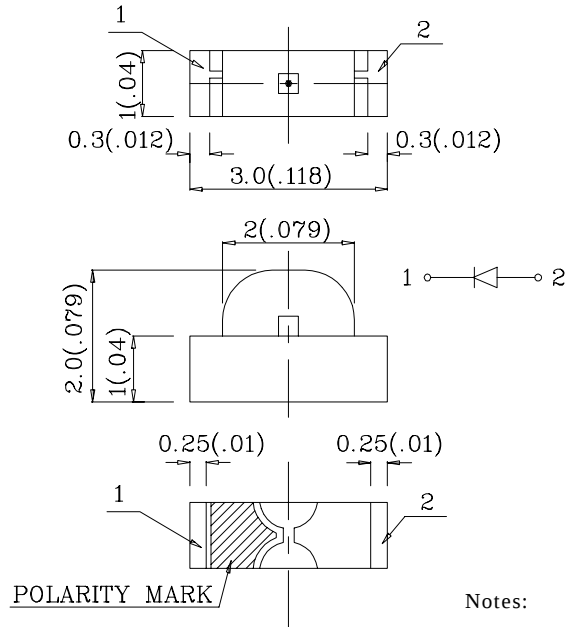


SUNLED

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XZBB56W



Notes:

1. All dimensions are in millimeters (inches).

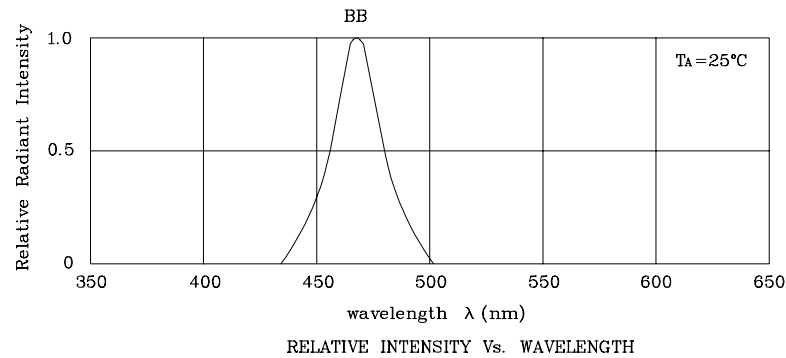
2. Tolerance is $\pm 0.15 (0.006)$ unless otherwise noted.

Absolute maximum ratings ($T_A=25^{\circ}\text{C}$)		BB (InGaN)	Unit
Reverse voltage	V_R	5	V
Forward current	I_F	10	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i_{FS}	160	mA
Power dissipation	P_T	102	mW
Operating temperature	T_A	-40 ~ +85	$^{\circ}\text{C}$
Storage temperature	T_{stg}	-40 ~ +85	

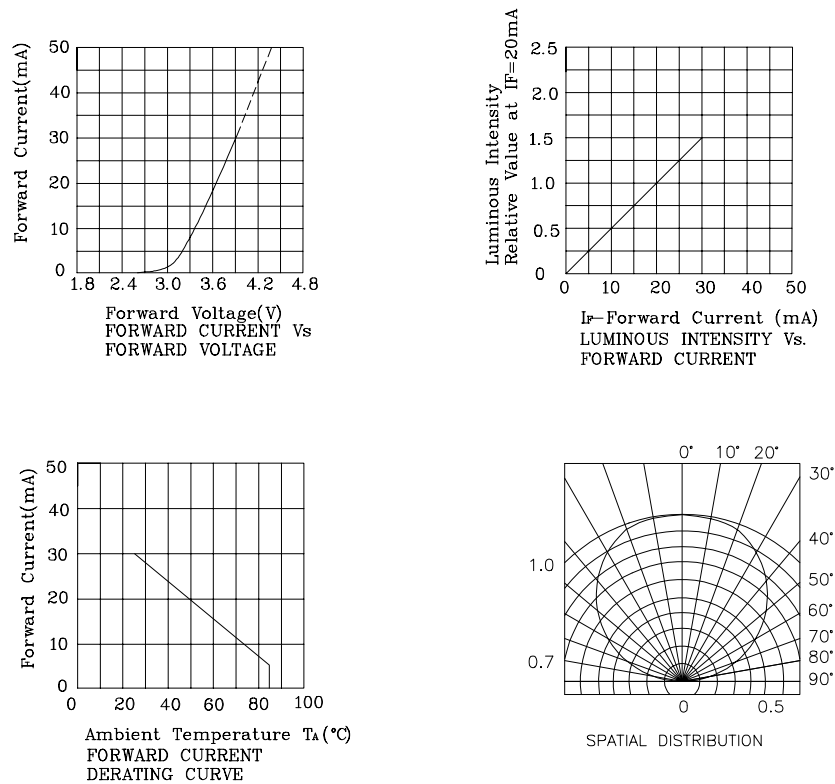
Operating Characteristics ($T_A=25^{\circ}\text{C}$)		BB (InGaN)	Unit
Forward voltage (typ.) ($I_F=20\text{mA}$)	V_F	3.65	V
Forward voltage (max.) ($I_F=20\text{mA}$)	V_F	4.2	V
Reverse current ($V_R=5\text{V}$)	I_R	10	μA
Wavelength at peak emission ($I_F=20\text{mA}$)	λ_{peak}	468	nm
Wavelength at Dominate emission ($I_F=20\text{mA}$)	λ_D	470	nm
Spectral Line half-width ($I_F=20\text{mA}$)	$\Delta\lambda$	25	nm
Capacitance ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	65	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ($I_F=20\text{mA}$) mcd min. typ.		Wavelength nm λ_P	Viewing Angle $2\theta_{1/2}$
XZBB56W	Blue	InGaN	Water Clear	18	40	468	120 $^{\circ}$

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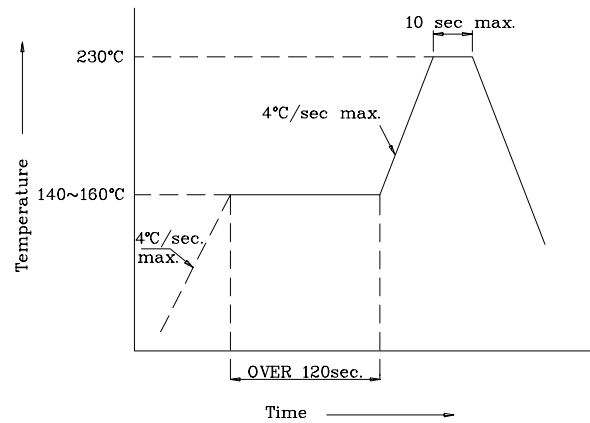


❖BB

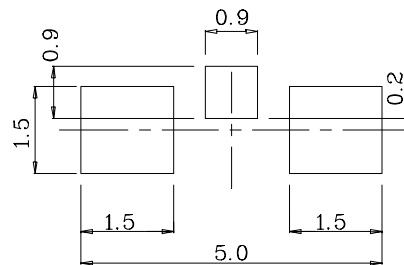


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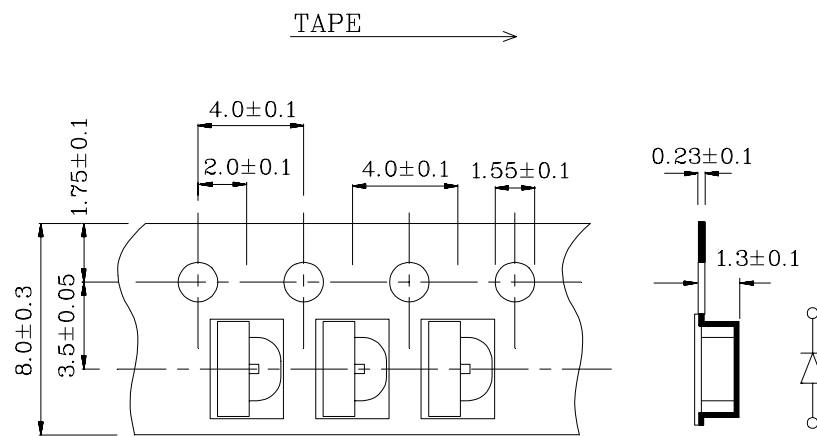
❖ SMT Reflow Soldering Instructions



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



❖ Tape Specification (Units : mm)



PACKAGE : 2000PCS / REEL.