

3.0x2.0mm SURFACE MOUNT LED LAMP

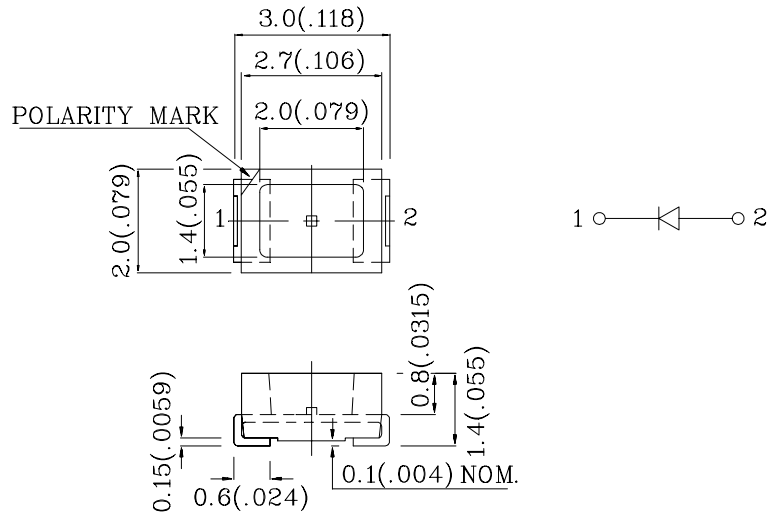
XZBG50W



SUN LED

Email : sales@us.sunled.com

Web Site : www.sunled.com



Notes:

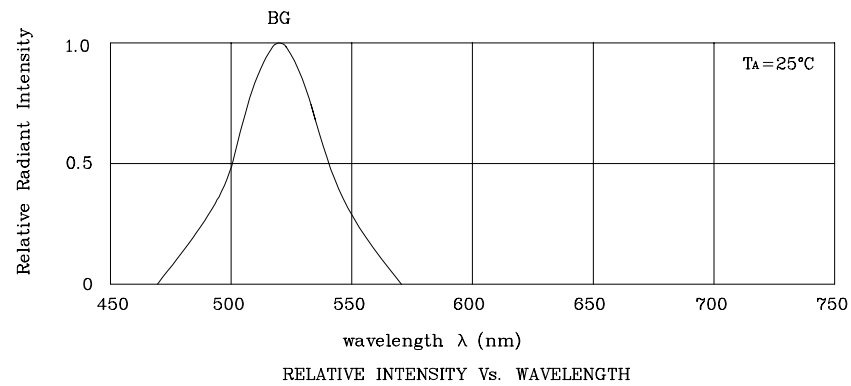
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.

Absolute maximum ratings (T _A =25°C)		BG (InGaN)	Unit
Reverse voltage	V _R	5	V
Forward current	I _F	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i _{FS}	150	mA
Power dissipation	P _T	105	mW
Operating temperature	T _A	-40 ~ +85	°C
Storage temperature	T _{stg}	-40 ~ +85	

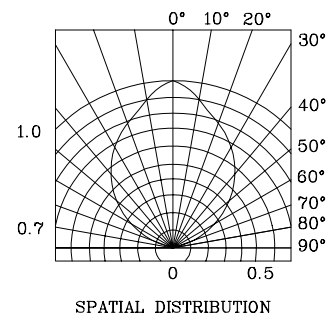
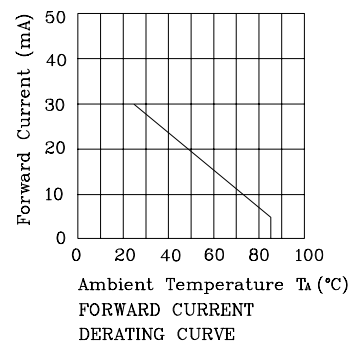
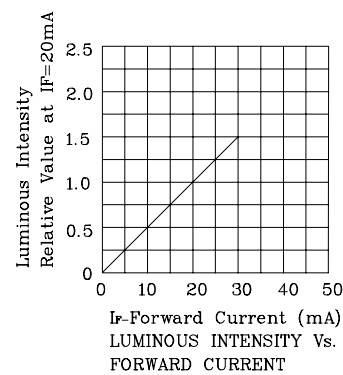
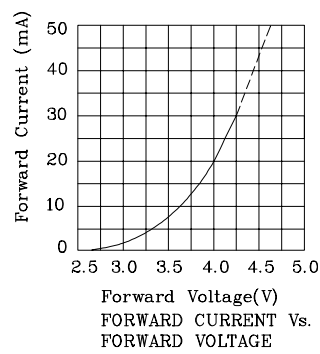
Operating Characteristics (T _A =25°C)		BG (InGaN)	Unit
Forward voltage (typ.) (I _F =20mA)	V _F	4.0	V
Forward voltage (max.) (I _F =20mA)	V _F	4.5	V
Reverse current (V _R =5V)	I _R	10	uA
Wavelength at peak emission (I _F =20mA)	λ _{peak}	520	nm
Wavelength at Dominate emission (I _F =20mA)	λ _D	525	nm
Spectral Line half-width (I _F =20mA)	Δλ	38	nm
Capacitance (V _F =0V, f=1MHz)	C	45	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (I _F =20mA) mcd		Wavelength nm λ _P	Viewing Angle 2θ1/2
				min.	typ.		
XZBG50W	Green	InGaN	Water Clear	70	145	520	90°

XZBG50W

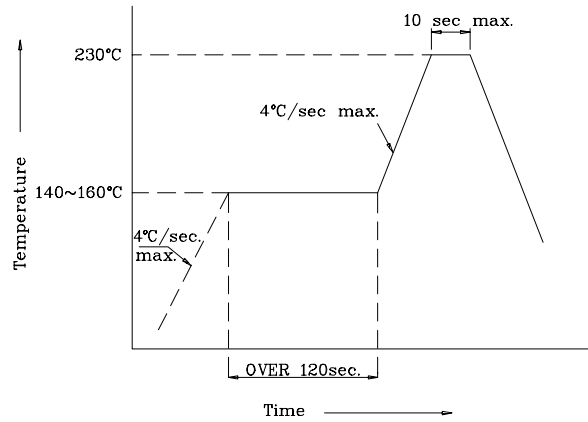


◆BG

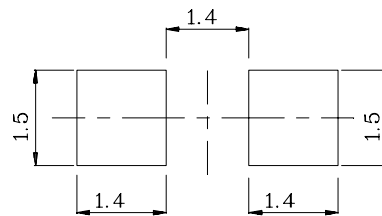


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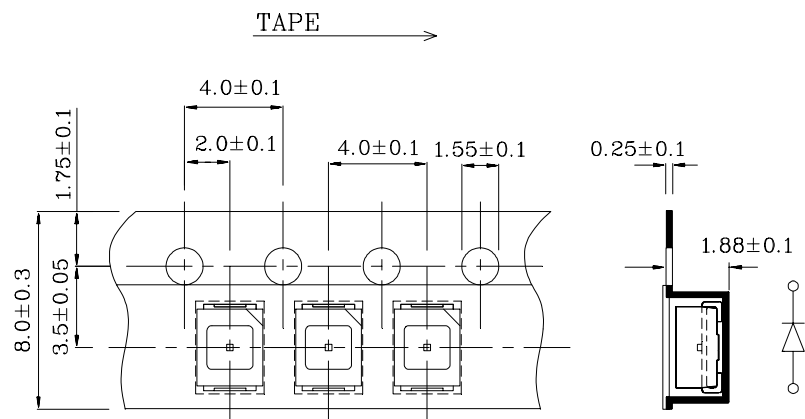
❖SMT Reflow Soldering Instructions



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



❖Tape Specification (Units : mm)



PACKAGE : 2000PCS / REEL.