

3.5x2.8mm SURFACE MOUNT LED LAMP

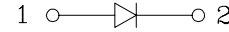
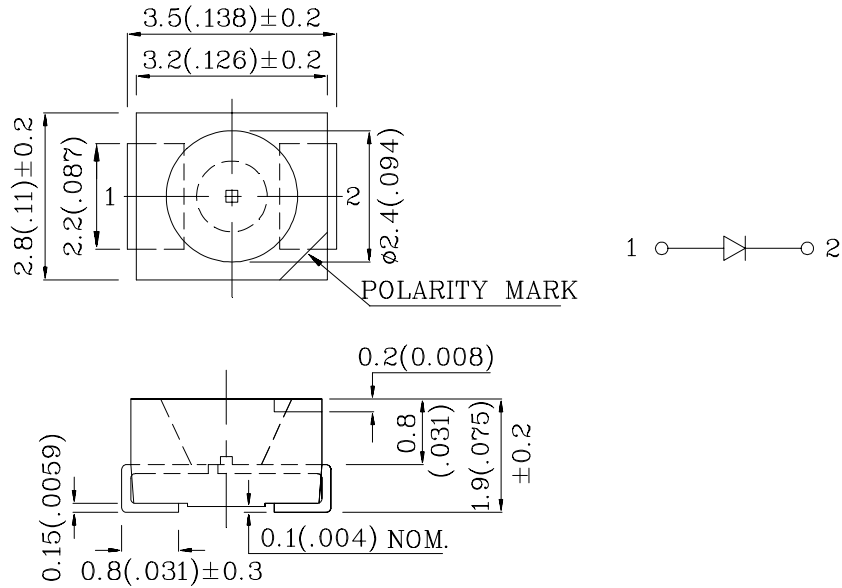


SUN LED

XZBG45W

Email : sales@us.sunled.com

Web Site : www.sunled.com



Notes:

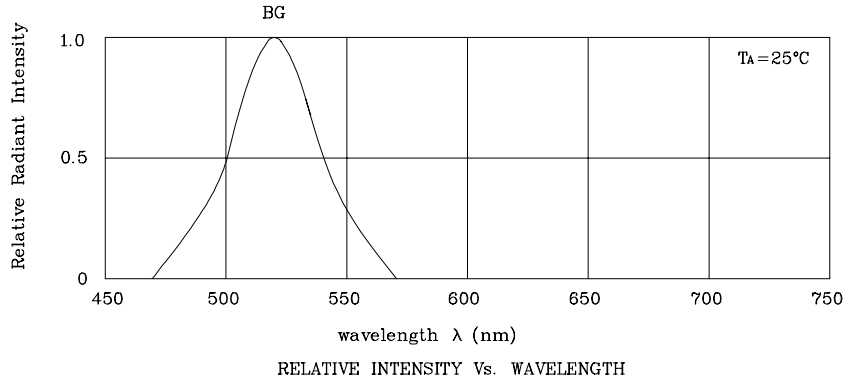
1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.25(0.01") unless otherwise noted.

| 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 | |

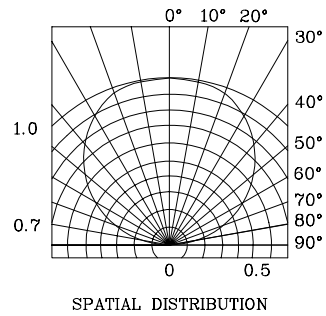
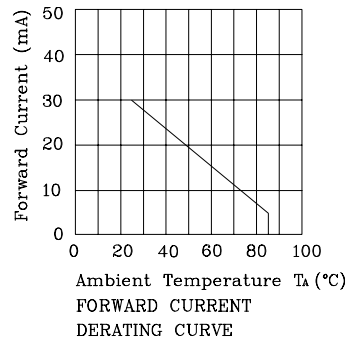
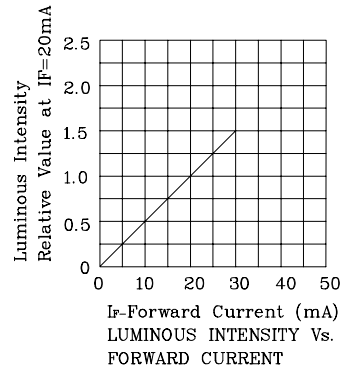
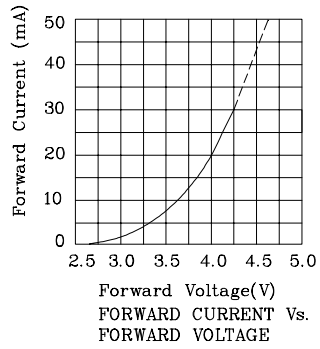
| Operating Characteristics (T _A =25°C) | | BG (InGaN) | Unit |
|--|-------------------|---------------|------|
| Forward voltage (typ.) (I _F =20mA) | V _F | 4.0 | V |
| Forward voltage (max.) (I _F =20mA) | V _F | 4.5 | V |
| Reverse current (V _R =5V) | I _R | 10 | uA |
| Wavelength at peak emission (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 2θ _{1/2} |
|-------------|----------------|-------------------|-------------|---|------|------------------------------------|------------------------------------|
| | | | | min. | typ. | | |
| XZBG45W | Green | InGaN | Water Clear | 110 | 215 | 520 | 120° |

XZBG45W

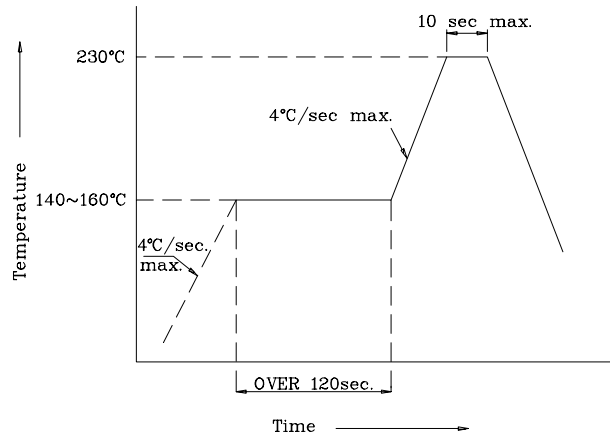


◆BG

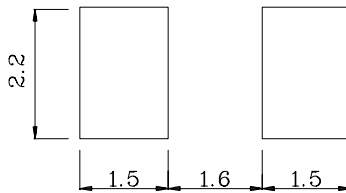


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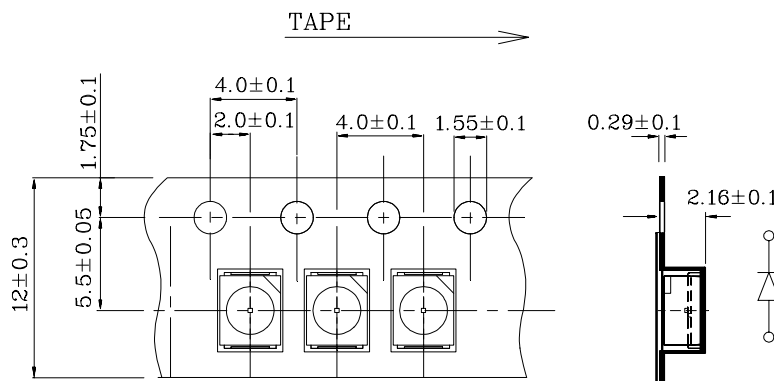
❖ SMT Reflow Soldering Instructions



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



❖ Tape Specification (Units : mm)



PACKAGE : 1500PCS / REEL