

3.5x2.8 mm SMD CHIP LED LAMP

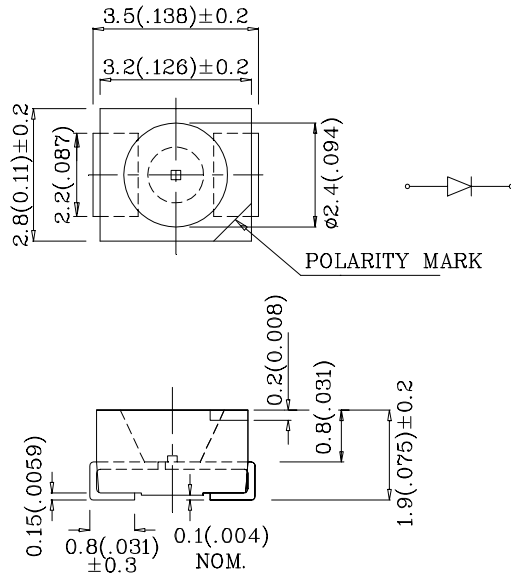


SUN LED

Email : sales@us.sunled.com

Web Site : www.sunled.com

XZTNI45W



Notes:

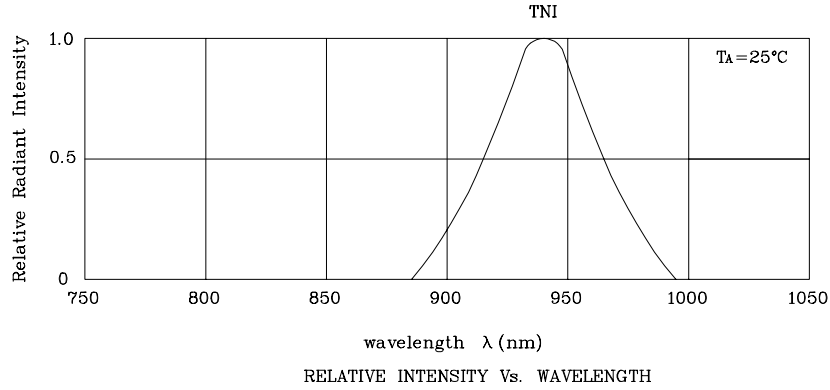
1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.25(0.01") unless otherwise noted.

Absolute maximum ratings (T _A =25°C)		TNI (GaAs)	Unit
Reverse voltage	V _R	5	V
Forward current	I _F	50	mA
Forward current (peak) 1/100Duty cycle 10us pulse width	i _{FS}	1.2	A
Power dissipation	P _T	100	mW
Operating temperature	T _A	-40 ~ +85	°C
Storage temperature	T _{stg}	-40 ~ +85	

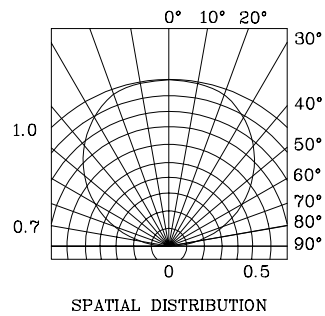
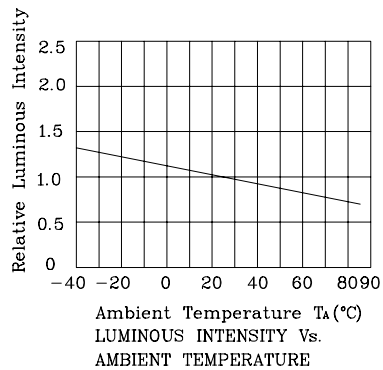
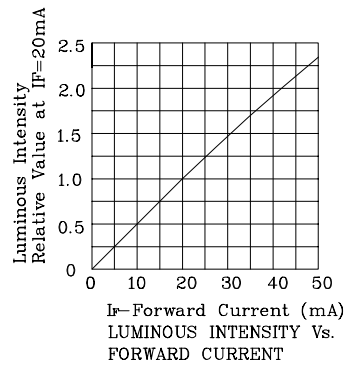
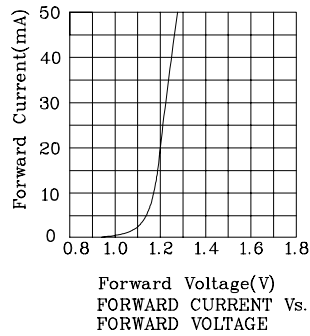
Operating Characteristics (T _A =25°C)		TNI (GaAs)	Unit
Forward voltage (typ.) (I _F =20mA)	V _F	1.2	V
Forward voltage (max.) (I _F =20mA)	V _F	1.6	V
Reverse current (V _R =5V)	I _R	10	uA
Wavelength at peak emission (I _F =20mA)	λ _{peak}	940	nm
Spectral Line half-width (I _F =20mA)	Δλ	50	nm
Capacitance (V _F =0V, f=1MHz)	C	90	pF

Part Number	Emitting Material	Lens-color	Luminous Intensity (I _F =20mA *50mA) mW/sr		Wavelength nm λ _P	Viewing Angle 2θ1/2
			min.	typ.		
XZTNI45W	GaAs	Water Clear	1	2	940	120°
			*3	*7		

XZTNI45W

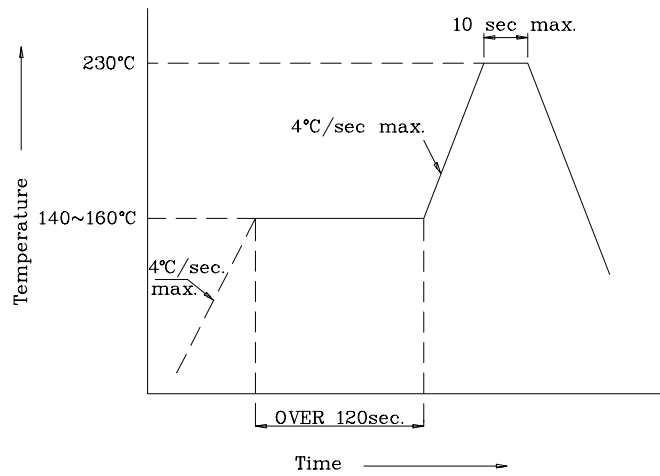


❖ TNI

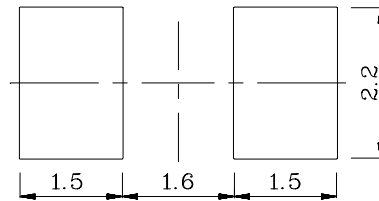


XZTNI45W

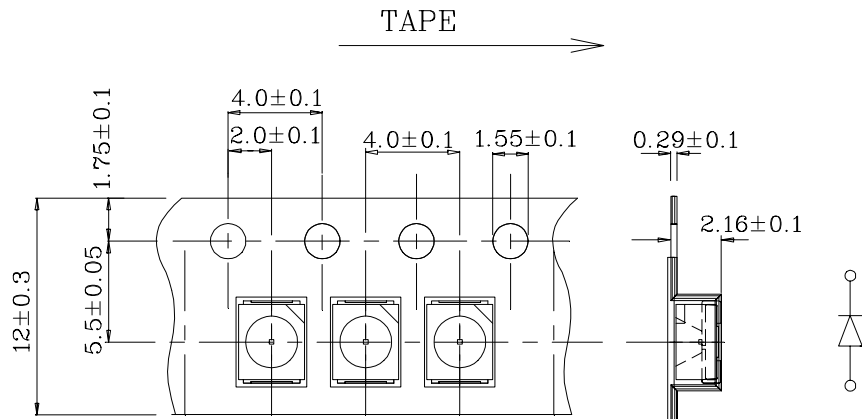
❖ SMT Reflow Soldering Instructions



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



❖ Tape Specification (Units : mm)



PACKAGE:1500PCS / REEL