

# SUBMINIATURE SOLID STATE LAMP

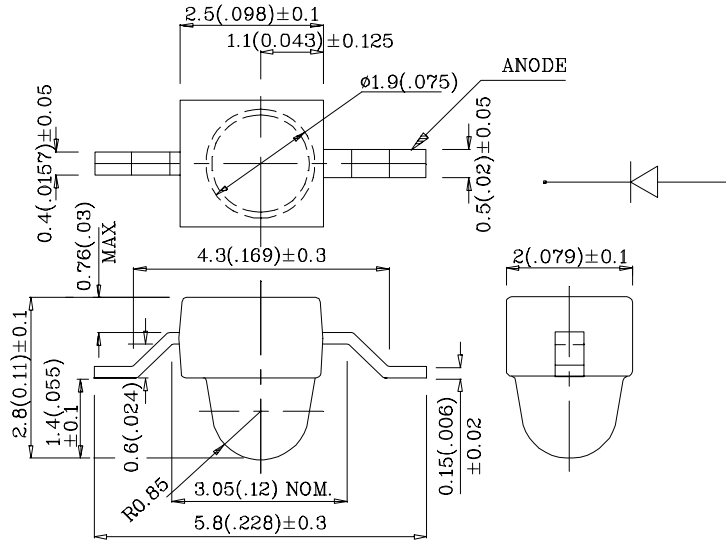


# SUN LED

XZMR46W-9

Email : sales@us.sunled.com

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### Notes:

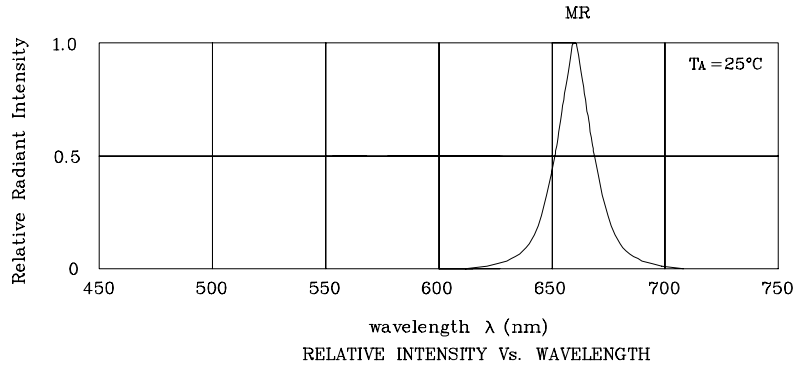
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01")$  unless otherwise noted.

Absolute maximum ratings ( $T_A=25^\circ\text{C}$ )		MR (GaAlAs)	Unit
Reverse voltage	$V_R$	5	V
Forward current	$I_F$	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	$i_{FS}$	155	mA
Power dissipation	$P_T$	100	mW
Operating temperature	$T_A$	-40 ~ +85	$^\circ\text{C}$
Storage temperature	$T_{stg}$		

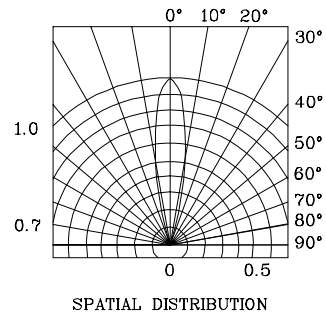
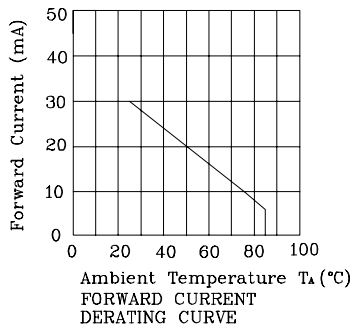
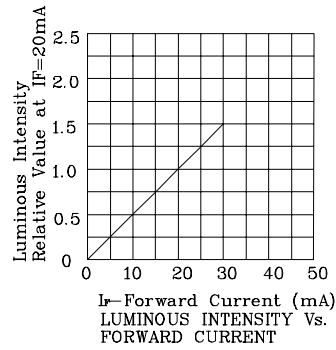
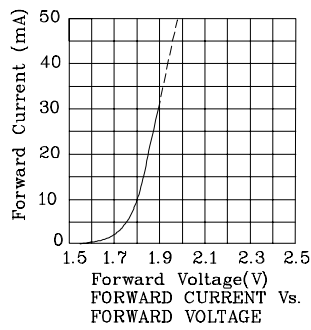
Operating Characteristics ( $T_A=25^\circ\text{C}$ )		MR (GaAlAs)	Unit
Forward voltage (typ.) ( $I_F=20\text{mA}$ )	$V_F$	1.85	V
Forward voltage (max.) ( $I_F=20\text{mA}$ )	$V_F$	2.5	V
Reverse current ( $V_R=5\text{V}$ )	$I_R$	10	$\mu\text{A}$
Wavelength at peak emission ( $I_F=20\text{mA}$ )	$\lambda_{peak}$	660	nm
Wavelength at Dominate emission ( $I_F=20\text{mA}$ )	$\lambda_D$	640	nm
Spectral Line half-width ( $I_F=20\text{mA}$ )	$\Delta\lambda$	20	nm
Capacitance ( $V_F=0\text{V}$ , $f=1\text{MHz}$ )	C	45	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ( $I_F=20\text{mA}$ ) mcd		Wavelength nm $\lambda_P$	Viewing Angle $2\theta_{1/2}$
				min.	typ.		
XZMR46W-9	Red	GaAlAs	Water Clear	110	595	660	$20^\circ$

**XZMR46W-9**

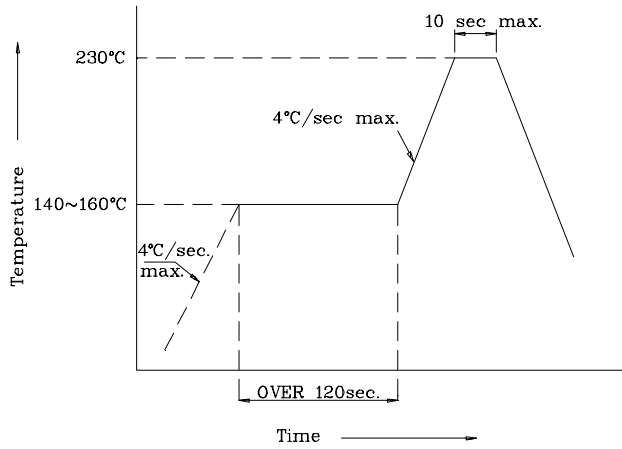


❖MR

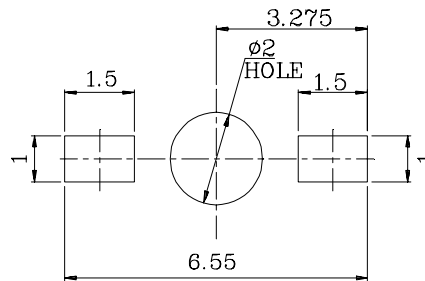


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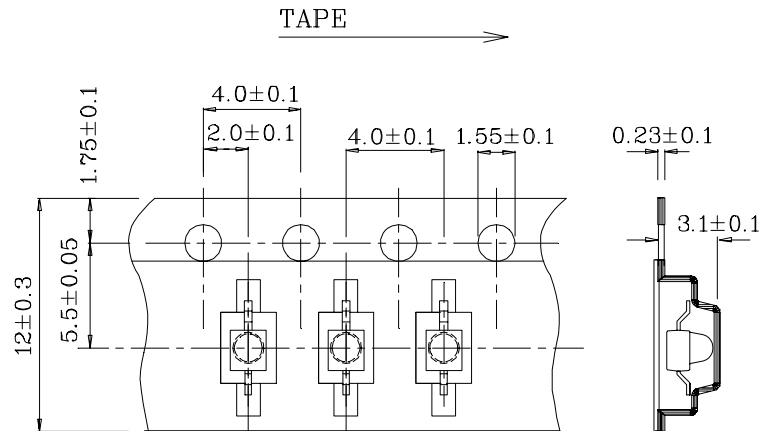
## ❖SMT Reflow Soldering Instructions



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



## ❖Tape Specification (Units : mm)



PACKAGE : 1000PCS / REEL.