

3.2x1.6mm SMD CHIP LED LAMP

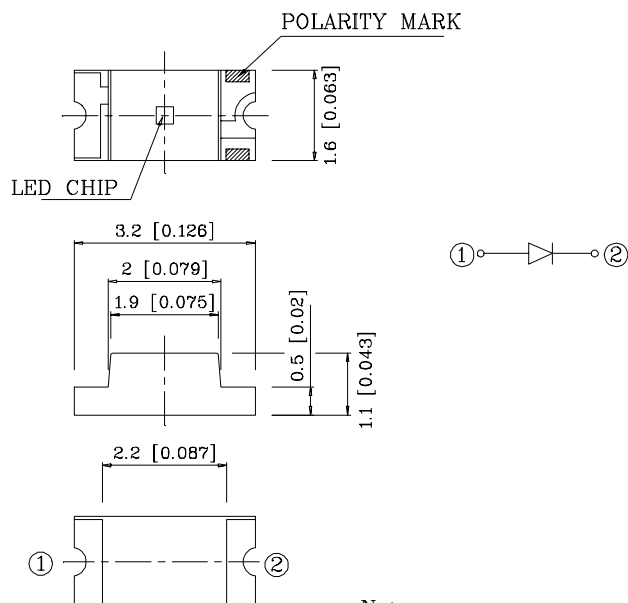
XZMD55W-4



SUN LED

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Notes:

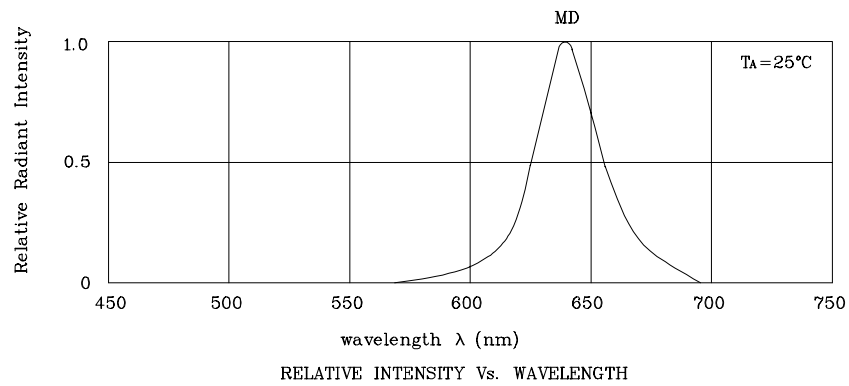
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.2(0.0079)$ unless otherwise noted.

Absolute maximum ratings ($T_A=25^{\circ}\text{C}$)		MD (InGaAlP)	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}	185	mA
Power dissipation	P_T	170	mW
Operating temperature	T_A	-40 ~ +85	$^{\circ}\text{C}$
Storage temperature	T_{stg}	-40 ~ +85	

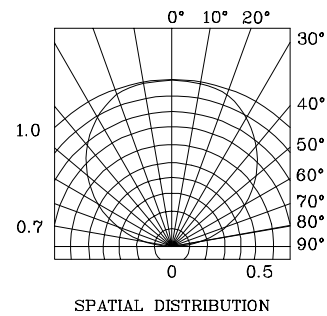
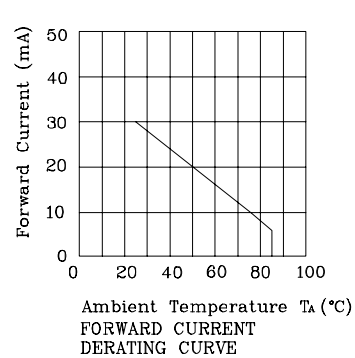
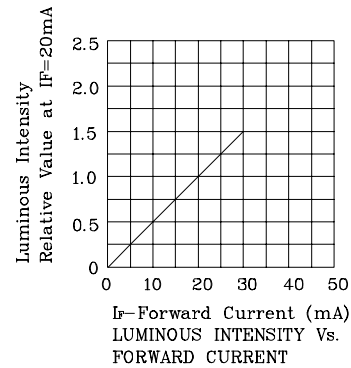
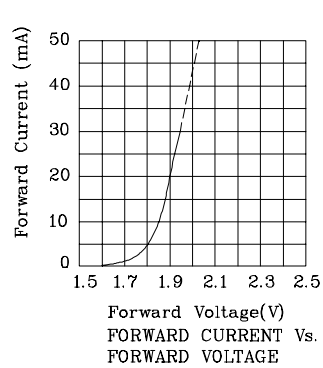
Operating Characteristics ($T_A=25^{\circ}\text{C}$)		MD (InGaAlP)	Unit
Forward voltage (typ.) ($I_F=20\text{mA}$)	V_F	1.9	V
Forward voltage (max.) ($I_F=20\text{mA}$)	V_F	2.5	V
Reverse current ($V_R=5\text{V}$)	I_R	10	μA
Wavelength at peak emission ($I_F=20\text{mA}$)	λ_{peak}	640	nm
Wavelength at Dominate emission ($I_F=20\text{mA}$)	λ_D	628	nm
Spectral Line half-width ($I_F=20\text{mA}$)	$\Delta\lambda$	27	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 λ_P	Viewing Angle 2 $\theta_{1/2}$
				min.	typ.		
XZMD55W-4	Red	InGaAlP	Water Clear	70	175	640	120 $^{\circ}$

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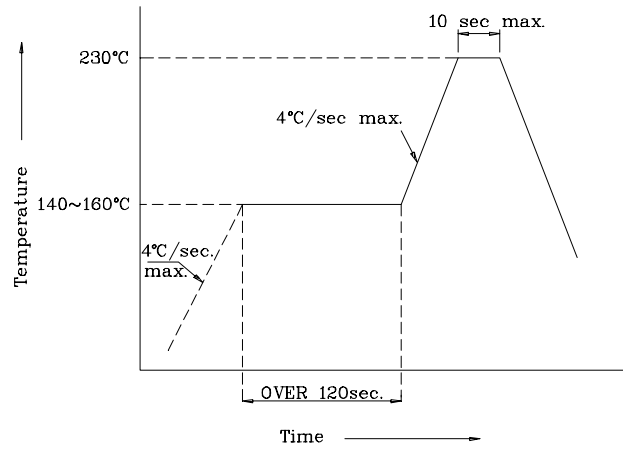


❖MD

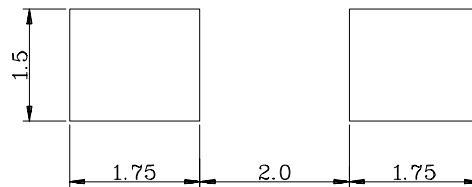


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❖SMT Reflow Soldering Instructions



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



❖Tape Specification (Units : mm)

