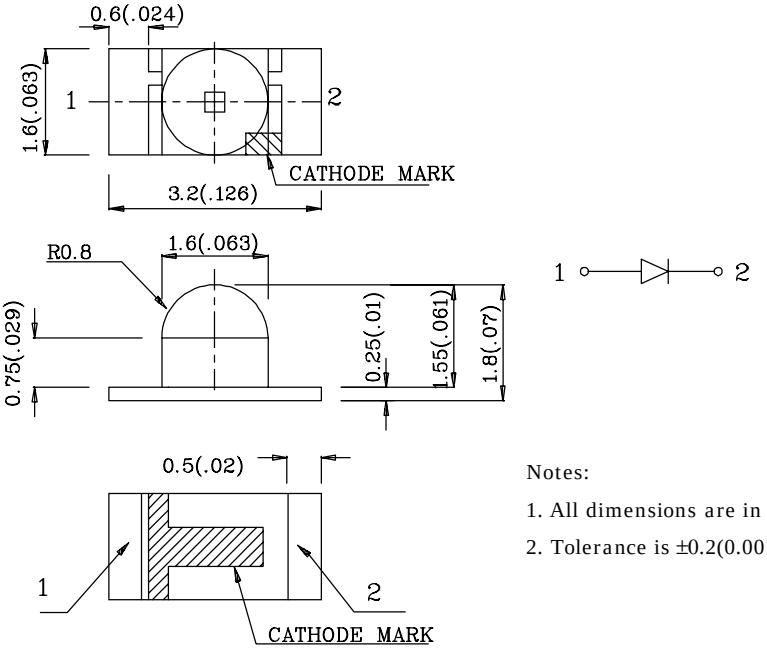
3.2x1.6mm SMD CHIP LED LAMP

SUN LED

ZMD55W-03



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.2(0.0079") unless otherwise noted.

Absolute maximum ratings (T_A=25°C)		**MD** (InGaAlP)	**Unit**
Reverse voltage	V_R	5	V
Forward current	I_F	50	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i_{FS}	150	mA
Power dissipation	P_T	170	mW
Operation temperature	T_A	-40 ~ +85	°C
Storage temperature	Tstg		

Operating Characteristics (T_A=25°C)		**MD** (InGaAlP)	**Unit**
Forward voltage (typ.) (IF=20mA)	V_F	2.0	V
Forward voltage (max.) (IF=20mA)	V_F	2.2	V
Reverse current (VR=5V)	I_R	10	uA
Wavelength at peak emission (IF=20mA)	λpeak	640	nm
Spectral Line half-width (IF=20mA)	Δλ	25	nm
Capacitance (VF=0, f=1MHz)	C	35	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd min.	typ.	Wavelength nm	Viewing Angle
ZMD55W-03	red	InGaAlP	water clear	300	600	640	50°

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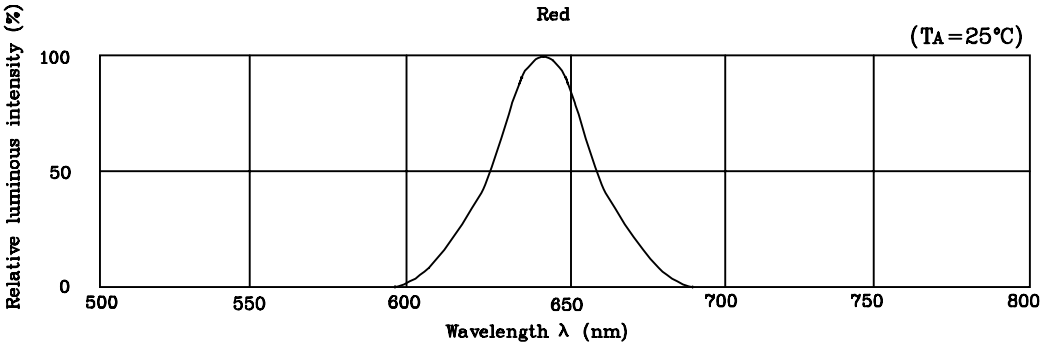
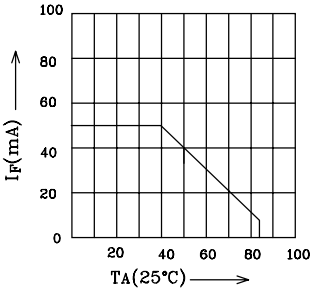
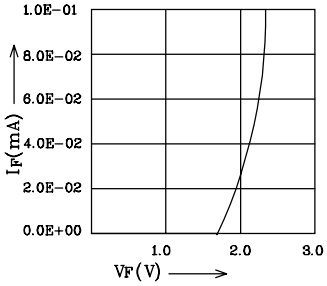


❖MD

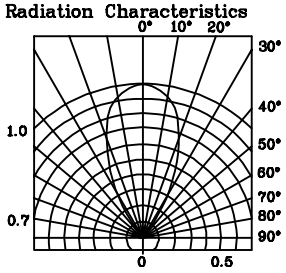
Forward current derating curve



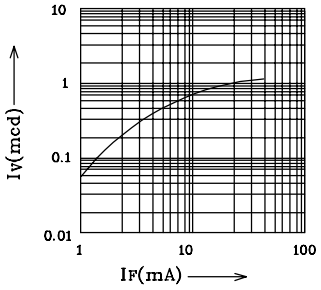
Forward current Vs. Forward voltage



Radiation Characteristics



Luminous Intensity Vs. Forward Current



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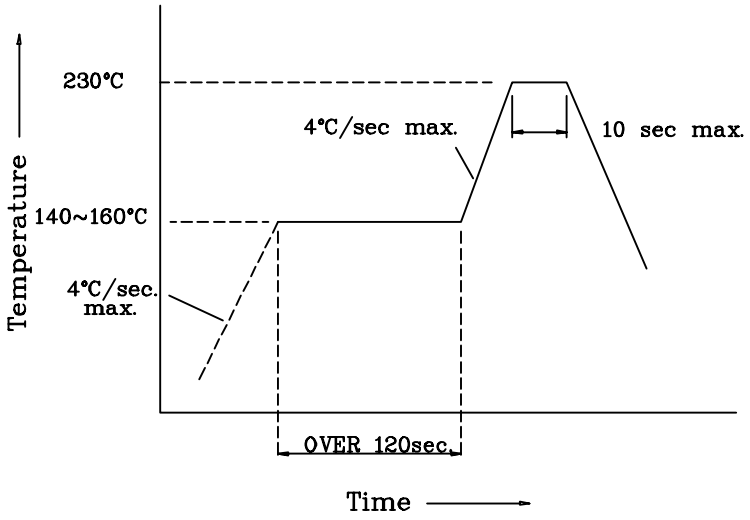
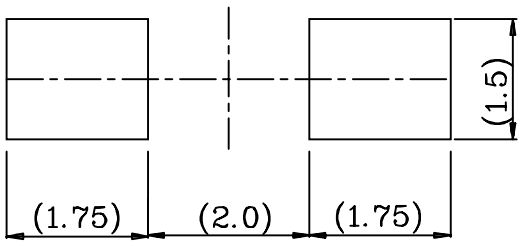
❖SMT Reflow Soldering Instructions



❖Recommended Soldering Pattern (Units : mm)



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❖Tape Specification (Units : mm)