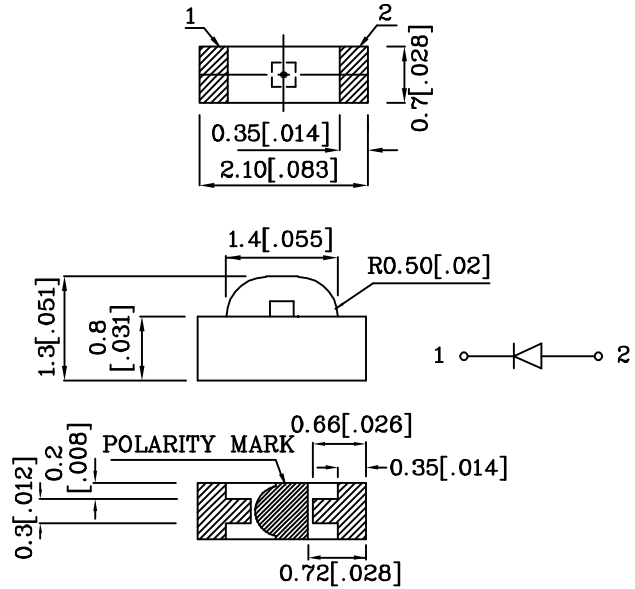


Features

- 2.1mmx0.7mm RIGHT ANGLE SMT LED, 1.3mm THICKNESS.
- LOW POWER CONSUMPTION.
- WIDE VIEWING ANGLE.
- IDEAL FOR BACKLIGHT AND INDICATOR.
- VARIOUS COLORS AND LENS TYPES AVAILABLE.
- PACKAGE : 2000PCS / REEL.
- ROHS COMPLIANT.

Notes:

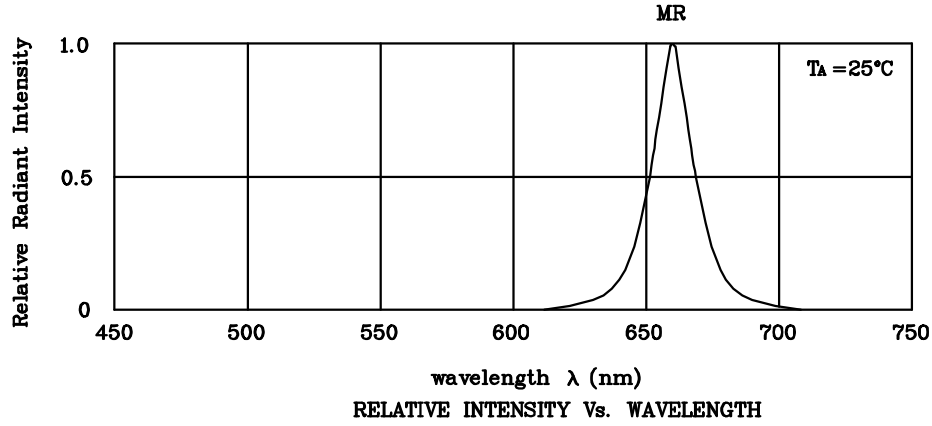
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.15(0.006")$ unless otherwise noted.



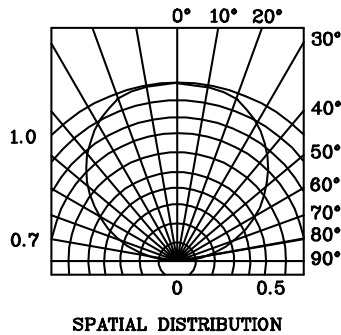
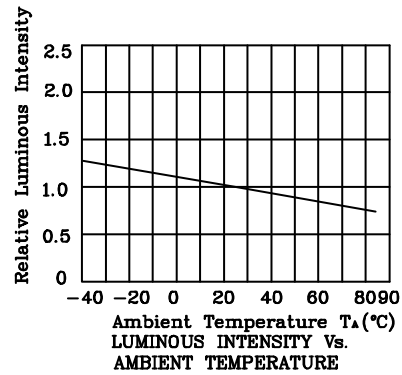
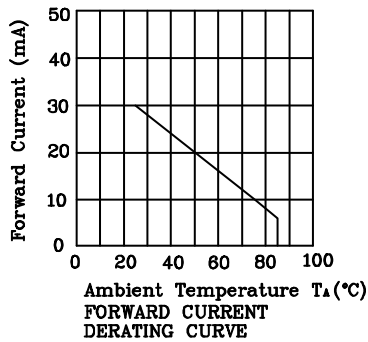
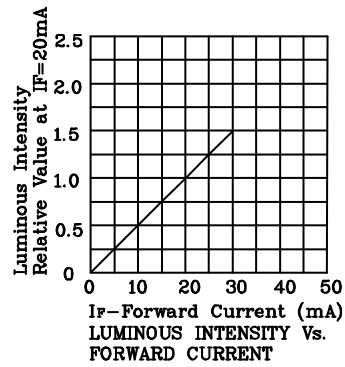
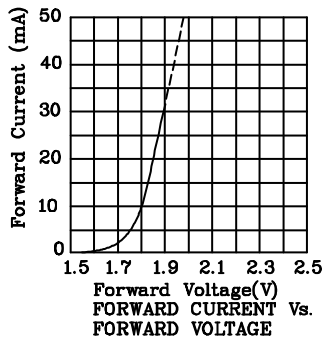
Absolute maximum ratings ($T_A=25^\circ\text{C}$)		MR (GaAlAs)	Unit
Reverse voltage	V_R	5	V
Forward current	I_F	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i_{FS}	155	mA
Power dissipation	P_T	100	mW
Operating temperature	T_A	-40 ~ +85	°C
Storage temperature	T_{stg}	-40 ~ +85	

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	μA
Wavelength at peak emission ($I_F=20\text{mA}$)	λ_{peak}	660	nm
Wavelength at Dominate emission ($I_F=20\text{mA}$)	λ_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 ($I_F=20\text{mA}$) med		Wavelength nm λ_P	Viewing Angle 2θ 1/2
				min.	typ.		
XZMR65WA	Red	GaAlAs	Water Clear	50	95	660	120°
Published Date : OCT 16,2004 Drawing No :XDSA1443 V4 Checked : B.L.LIU P.1/3							



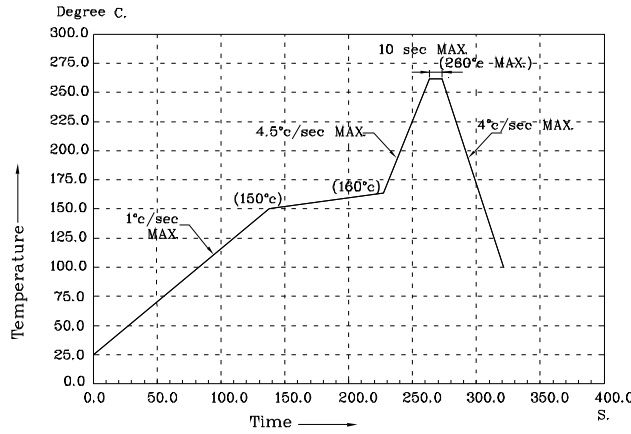
❖ MR



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❖ **SMT Reflow Soldering Instructions**

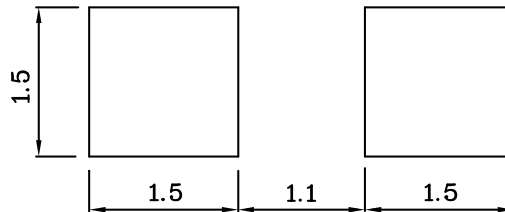
REFLOW SOLDERING INSTRUCTIONS
FOR LEAD-FREE SMT PROCESS



NOTES:

- 1, We recommend the reflow temperature 245°C~260°C. The maximum soldering temperature should be limited to 260°C.
- 2, Don't cause stress to the epoxy resin while it is exposed to high temperature.

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



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❖ **Tape Specification (Units : mm)**

