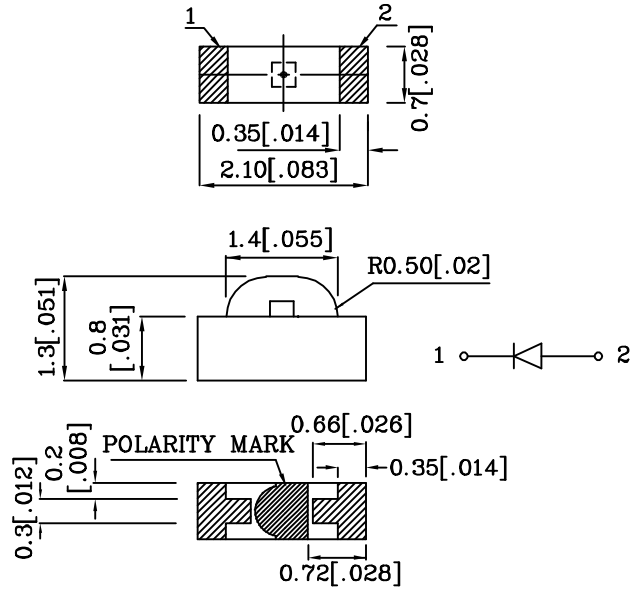


### Features

- 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:

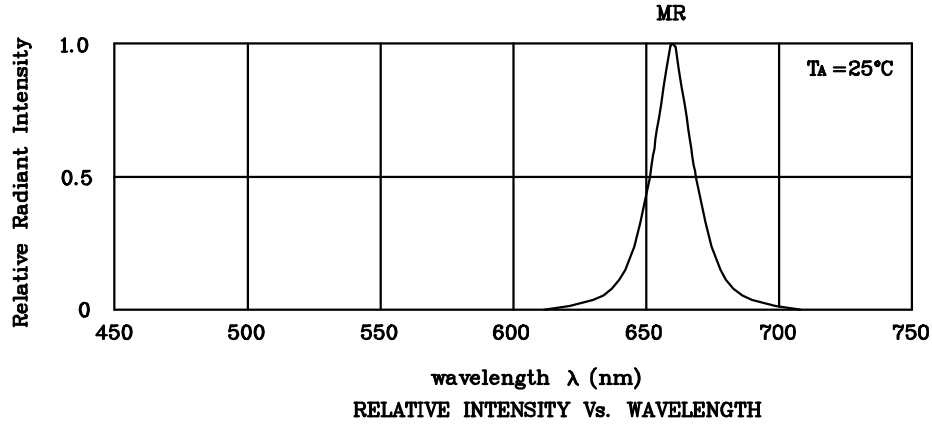
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.15(0.006")$  unless otherwise noted.



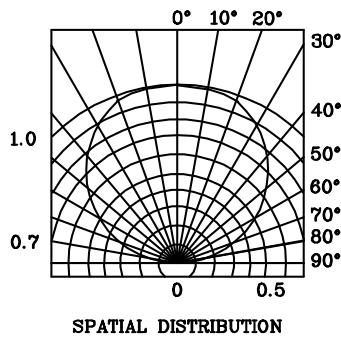
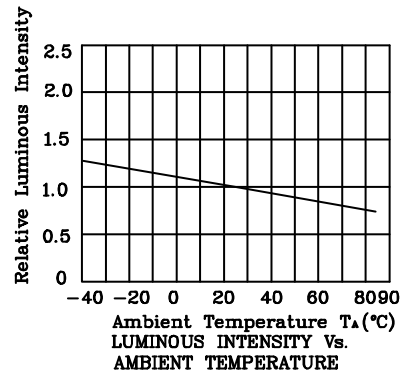
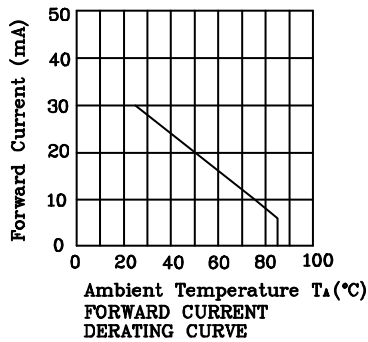
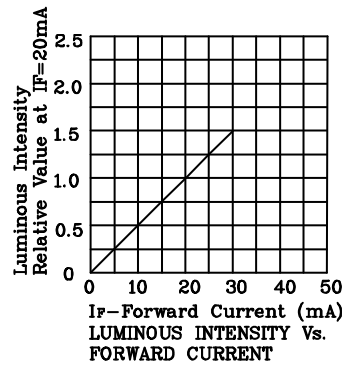
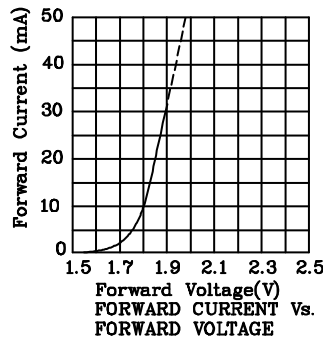
Absolute maximum ratings ( $T_A=25^\circ\text{C}$ )		MR (GaAlAs)	Unit
Reverse voltage	$V_R$	5	V
Forward current	$I_F$	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	$i_{FS}$	155	mA
Power dissipation	$P_T$	100	mW
Operating temperature	$T_A$	-40 ~ +85	°C
Storage temperature	$T_{stg}$	-40 ~ +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	$\mu\text{A}$
Wavelength at peak emission ( $I_F=20\text{mA}$ )	$\lambda_{\text{peak}}$	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 ( $I_F=20\text{mA}$ ) med		Wavelength nm $\lambda_P$	Viewing Angle $2\theta$ 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							

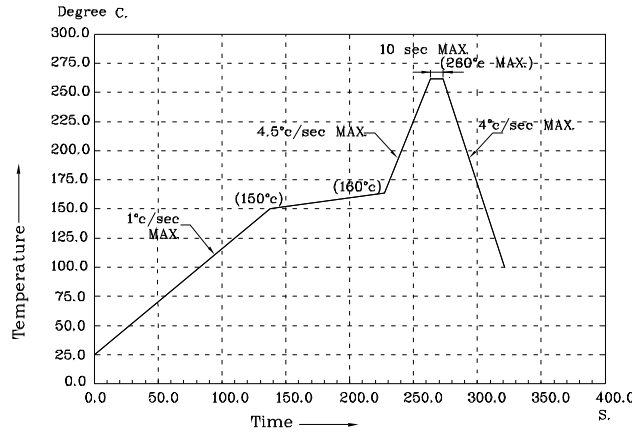


❖ MR



❖ SMT Reflow Soldering Instructions

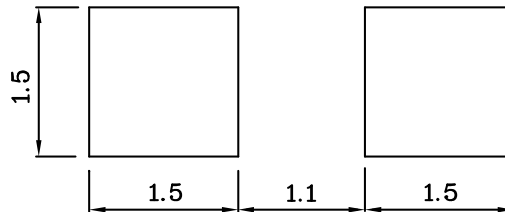
REFLOW SOLDERING INSTRUCTIONS  
FOR LEAD-FREE SMT PROCESS



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)



❖ Tape Specification (Units : mm)

