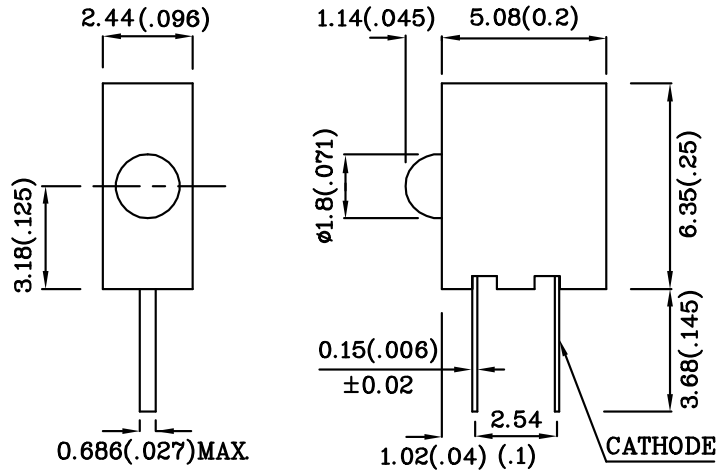


Features

- BLACK CASE ENHANCES CONTRAST.
- VIBRATION AND SHOCK RESISTANT.
- UL RATING : 94V-0.
- HOUSING MATERIAL: TYPE 66 NYLON.
- 5V INTERNAL RESISTOR.
- RoHS COMPLIANT.



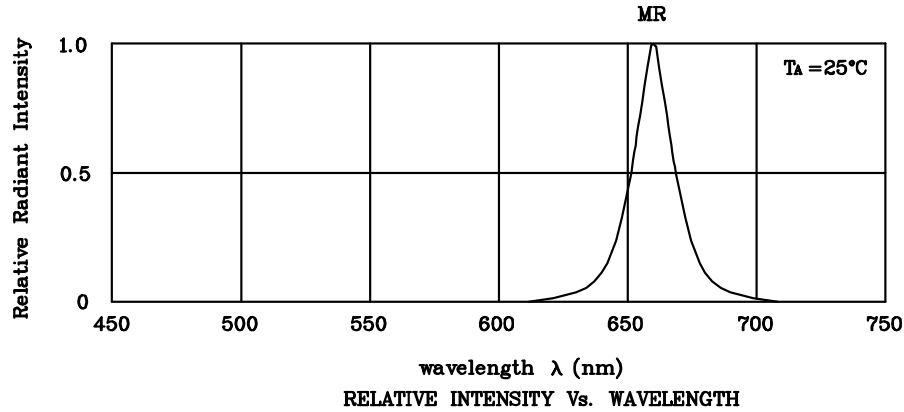
Notes:

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

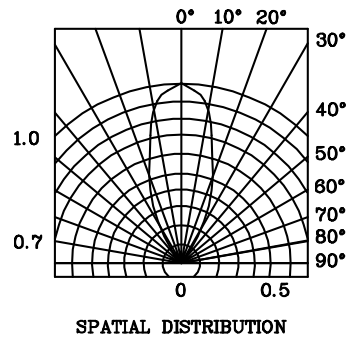
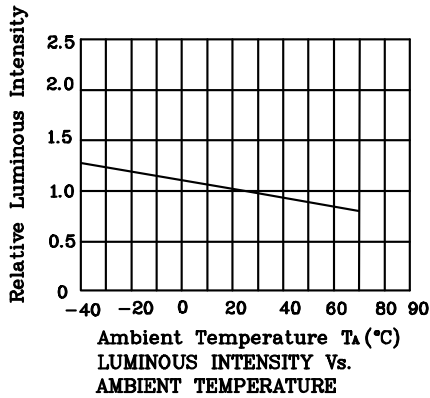
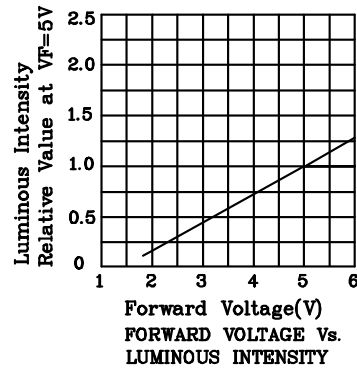
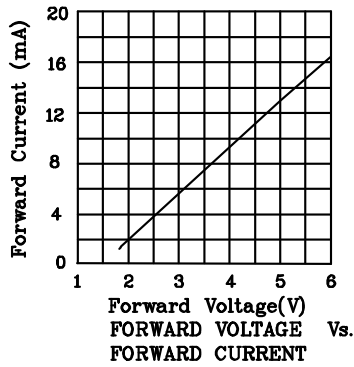
Absolute maximum ratings ($T_A=25^\circ\text{C}$)		MR (GaAlAs)	Unit
Reverse Voltage	V_R	5	V
Forward Voltage	V_F	6	V
Power Dissipation	P_T	85	mW
Operating Temperature	T_A	-40 ~ +70	°C
Storage Temperature	T_{stg}	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3 Seconds		
Lead Solder Temperature [5mm Below Package Base]	260°C For 5 Seconds		

Operating Characteristics ($T_A=25^\circ\text{C}$)		MR (GaAlAs)	Unit
Forward Current (Typ.) ($V_F=5V$)	I_F	13	mA
Forward Current (Max.) ($V_F=5V$)	I_F	17.5	mA
Reverse Current ($V_R=5V$)	I_R	10	μA
Wavelength of Peak Emission ($V_F=5V$)	λ_P	660	nm
Wavelength of Dominant Emission ($V_F=5V$)	λ_D	640	nm
Spectral Line Full Width At Half-Maximum ($V_F=5V$)	$\Delta\lambda$	20	nm

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ($V=5V$) mcd		Wavelength nm λ_P	Viewing Angle 2θ 1/2
				min.	typ.		
XNH1ZMR46D5V	Red	GaAlAs	Red Diffused	40	148	660	40°
Published Date : MAY 29,2005 Drawing No : XDSA2712 V3 Checked : B.L.LIU P.1/3							



❖ MR



Remarks:

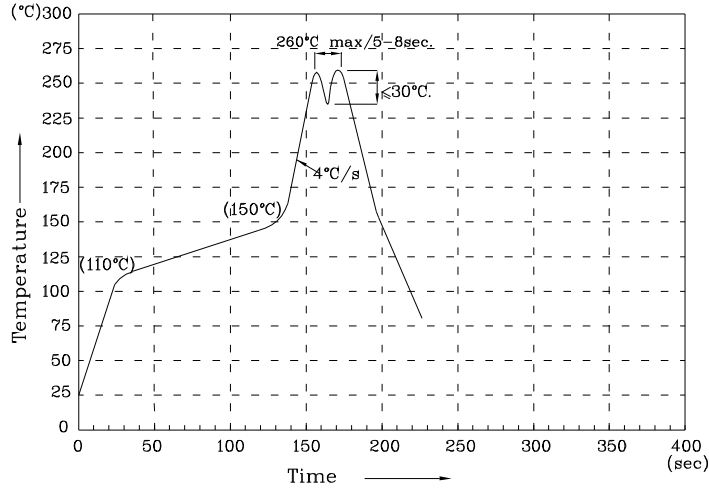
If special sorting is required (e.g. binning based on luminous intensity or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous Intensity: +/-15%

Note: Accuracy may depend on the sorting parameters.

XNH1ZMR46D5V

Wave Soldering Profile For Lead-free Through-hole LED.



NOTES:

- 1.Recommend the wave temperature 245°C~260°C.The maximum soldering temperature should be less than 260°C.
- 2.Do not apply stress on epoxy resins when temperature is over 85 degree°C.
- 3.The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
- 4.No more than once.