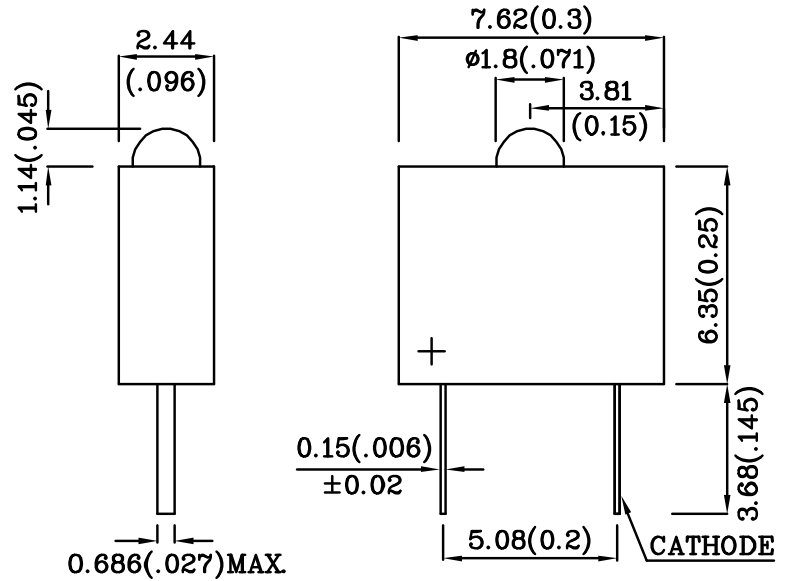


**Features**

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

Notes:

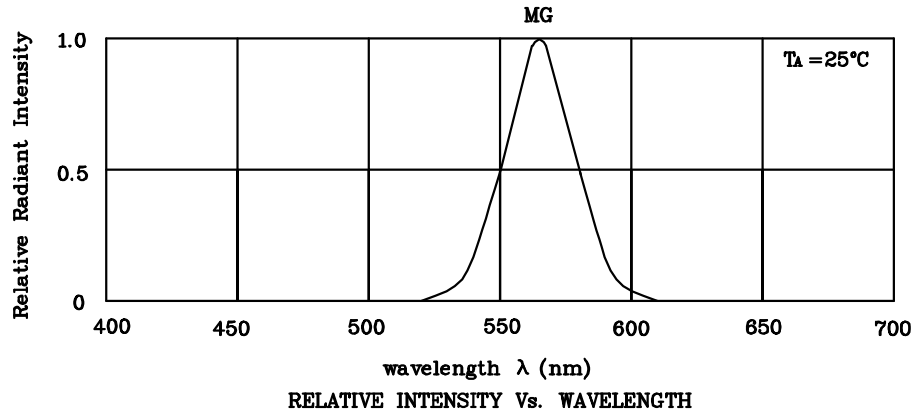
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01")$  unless otherwise noted.



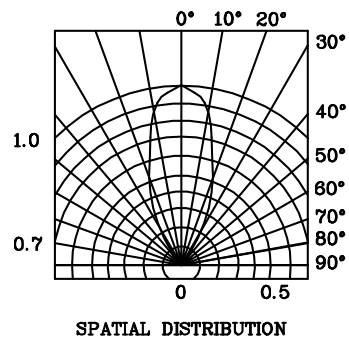
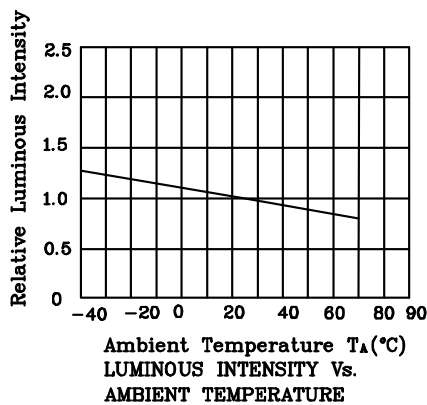
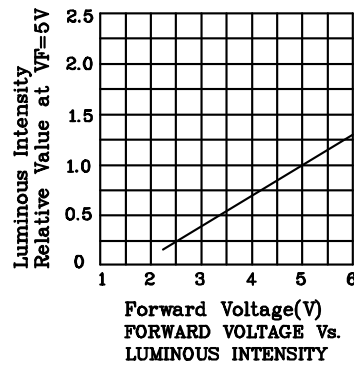
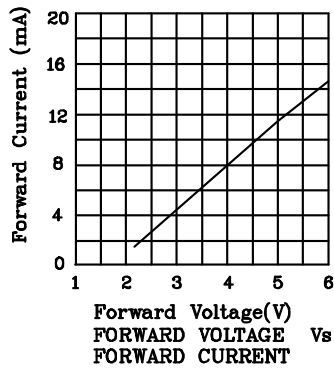
Absolute maximum ratings ( $T_A=25^\circ\text{C}$ )		MG (GaP)	Unit
Reverse Voltage	$V_R$	5	V
Forward Voltage	$V_F$	6	V
Power Dissipation	$P_T$	85	mW
Operating Temperature	$T_A$	-40 ~ +70	°C
Storage Temperature	$T_{stg}$	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3 Seconds	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

Operating Characteristics ( $T_A=25^\circ\text{C}$ )		MG (GaP)	Unit
Forward Current (Typ.) ( $V_F=5V$ )	$I_F$	11.5	mA
Forward Current (Max.) ( $V_F=5V$ )	$I_F$	17.5	mA
Reverse Current ( $V_R=5V$ )	$I_R$	10	uA
Wavelength of Peak Emission ( $V_F=5V$ )	$\lambda_P$	565	nm
Wavelength of Dominant Emission ( $V_F=5V$ )	$\lambda_D$	568	nm
Spectral Line Full Width At Half-Maximum ( $V_F=5V$ )	$\Delta\lambda$	30	nm

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ( $V=5V$ ) mcd		Wavelength nm $\lambda_P$	Viewing Angle $2\theta_{1/2}$
				min.	typ.		
XNJ1ZMG46D5V	Green	GaP	Green Diffused	1.8	9	565	40°
Published Date : APR 30,2005      Drawing No : XDSA2722      V3      Checked : B.L.LIU      P.1/3							



❖ MG



Remarks:

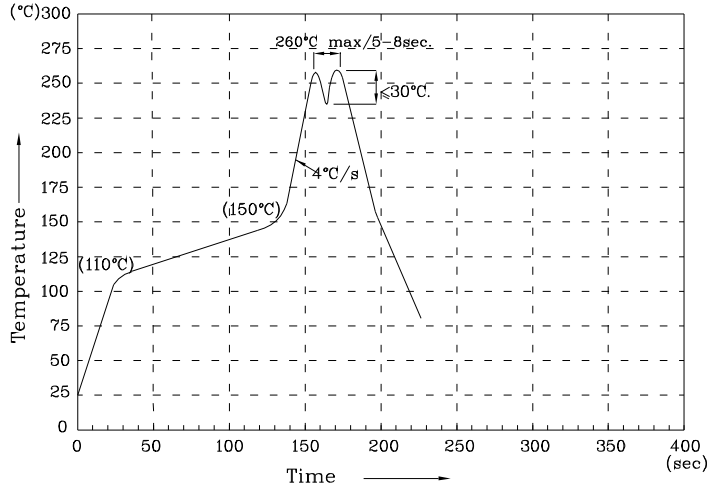
If special sorting is required (e.g. binning based on luminous intensity or wavelength), the typical accuracy of the sorting process is as follows:

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

Note: Accuracy may depend on the sorting parameters.

**XNJ1ZMG46D5V**

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.