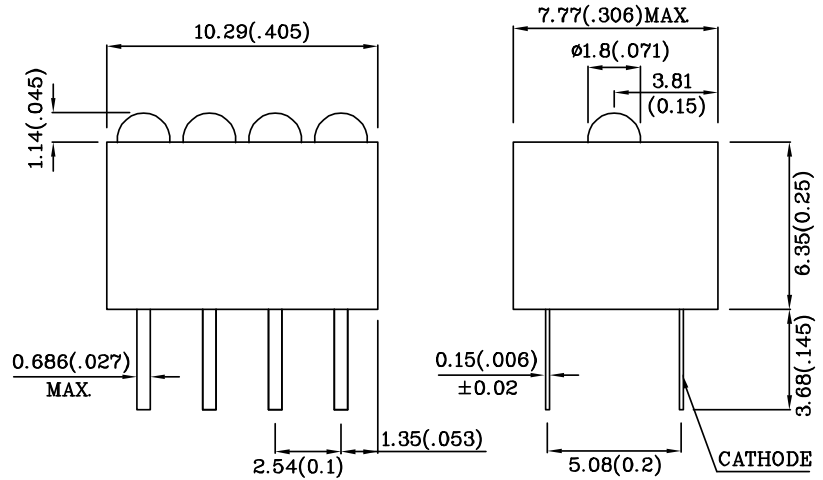


Features

- 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.



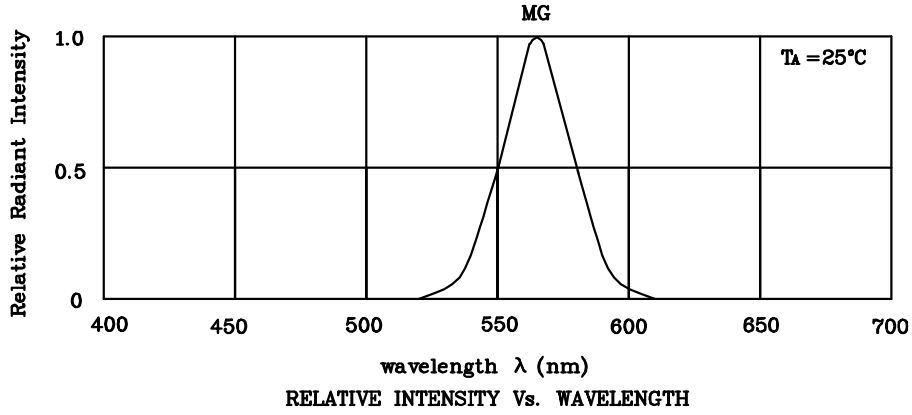
Notes:

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

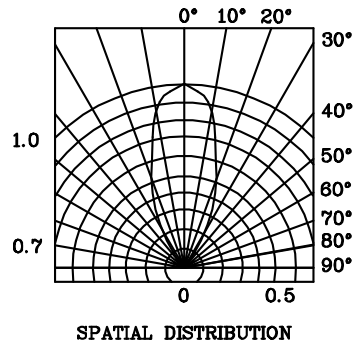
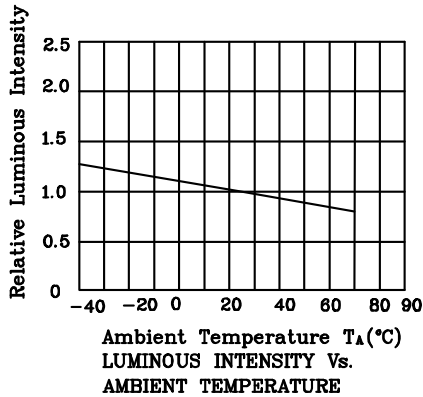
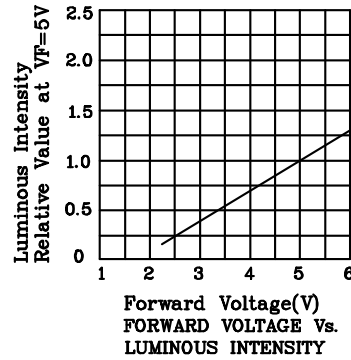
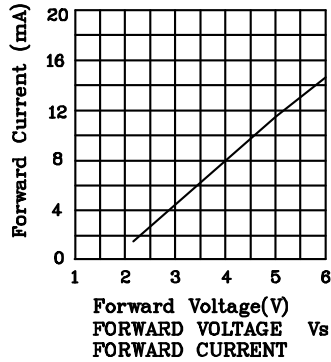
Absolute maximum ratings (TA=25°C)		MG (GaP)	Unit
Reverse Voltage	VR	5	V
Forward Current	VF	6	V
Power Dissipation	PT	85	mW
Operating Temperature	TA	-40 ~ +70	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm below package base]	260°C For 3 Seconds		
Lead Solder Temperature [5mm below package base]	260°C For 5 Seconds		

Operating Characteristics (TA=25°C)		MG (GaP)	Unit
Forward Voltage (Typ.) (VF=5V)	IF	11.5	mA
Forward Voltage (Max.) (VF=5V)	IF	17.5	mA
Reverse Current (VR=5V)	IR	10	uA
Wavelength of Peak Emission (VF=5V)	λ p	565	nm
Wavelength of Dominant Emission (VF=5V)	λ D	568	nm
Spectral Line Full Width At Half-Maximum (VF=5V)	Δλ	30	nm

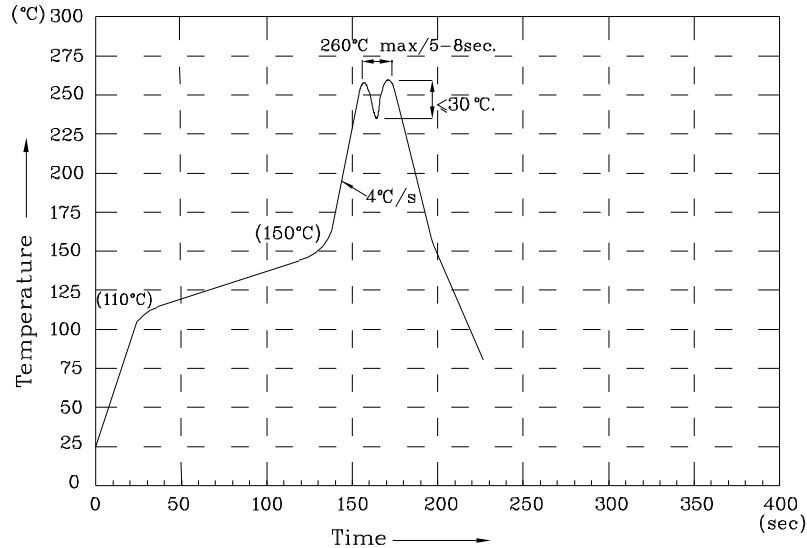
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (V=5V) mcd		Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.		
XNG4ZMG46D5V	Green	GaP	Green Diffused	1.8	9	565	40°
Published Date : MAY 04,2005 Drawing No : XDSA2738 V3 Checked : B.L.LIU P.1/3							



❖ MG



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



NOTES:

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

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: $\pm 1\text{nm}$
2. Luminous Intensity: $\pm 15\%$

Note: Accuracy may depend on the sorting parameters.