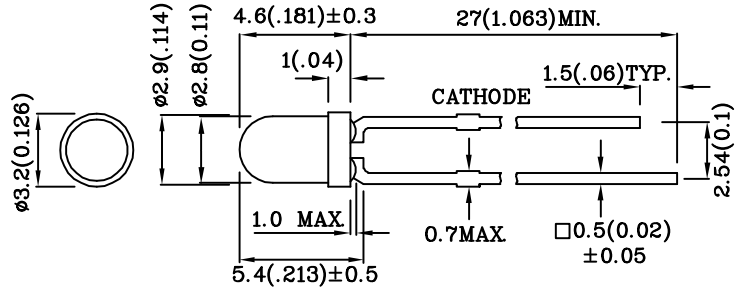


Features

- LOW POWER CONSUMPTION.
- POPULAR T-1 DIAMETER PACKAGE.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.
- 14V INTERNAL RESISTOR.
- RoHS COMPLIANT.



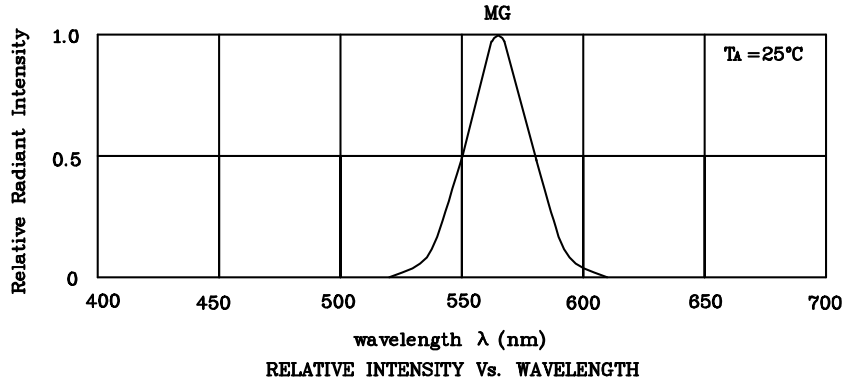
Notes:

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

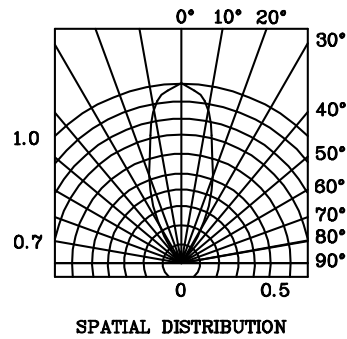
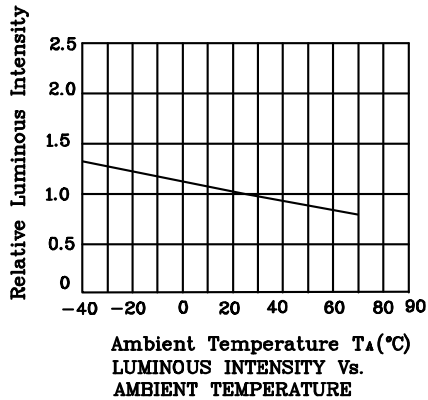
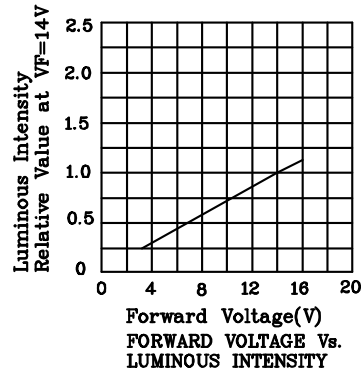
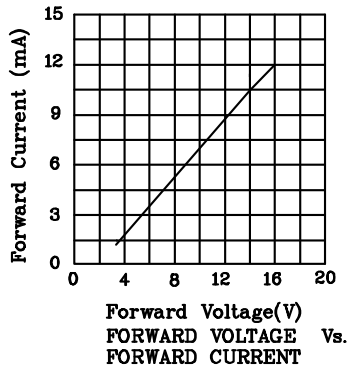
Absolute maximum ratings (TA=25°C)		MG (GaP)	Unit
Reverse voltage	V _R	5	V
Forward voltage	V _F	16	V
Power dissipation	P _T	160	mW
Operating temperature	T _A	-40 ~ +70	°C
Storage temperature	T _{stg}	-40 ~ +85	
Lead solder temperature [2mm below package base]	260°C For 3 Seconds		
Lead solder temperature [5mm below package base]	260°C For 5 Seconds		

Operating Characteristics (TA=25°C)		MG (GaP)	Unit
Forward current (typ.) (V _F =14V)	I _F	10.5	mA
Forward current (max.) (V _F =14V)	I _F	13.5	mA
Reverse current (V _R =5V)	I _R	10	uA
Wavelength at peak emission (V _F =14V)	λ peak	565	nm
Wavelength of Dominant emission (V _F =14V)	λ D	568	nm
Spectral Line half-width (V _F =14V)	Δλ	30	nm

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (V=14V) mcd		Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.		
XLMG11D14V	Green	GaP	Green Diffused	8	19	565	40°
Published Date : APR 04,2005 Drawing No : XDSA7598 V1 Checked : B.L.LIU P.1/3							



❖ MG



Remarks:

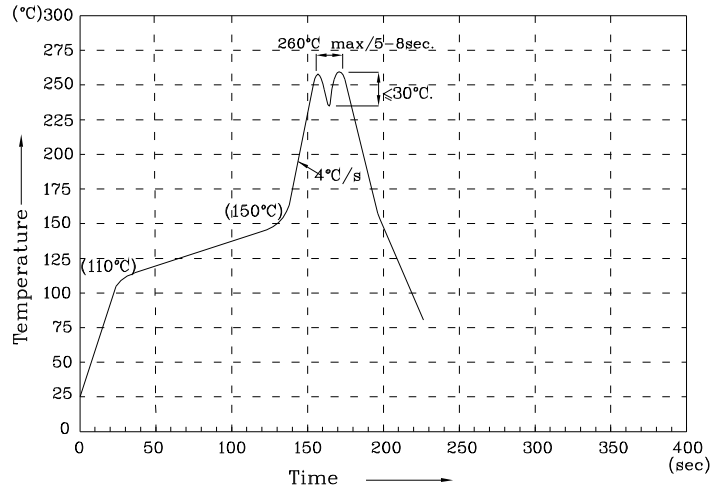
If special sorting is required (e.g. binning based on luminous intensity or wavelength), the typical accuracy of the sorting process is as follows:

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

Note: Accuracy may depend on the sorting parameters.

XLMG11D14V

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.