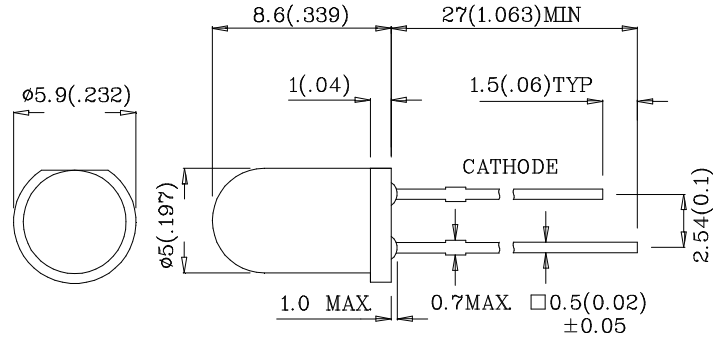


Features

- LOW POWER CONSUMPTION.
- POPULAR T-13/4 DIAMETER PACKAGE.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.



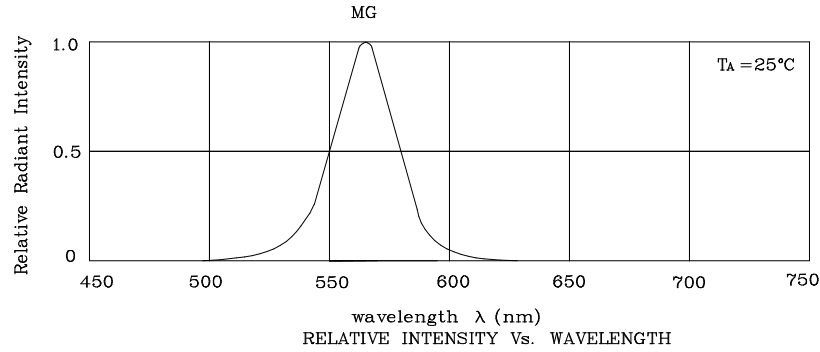
Notes:

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

Absolute maximum ratings (TA=25°C)		MG (GaP)	Unit
Reverse voltage	V _R	5	V
Forward current	I _F	25	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i _{FS}	140	mA
Power dissipation	P _T	105	mW
Operating temperature	T _A	-40 ~ +85	°C
Storage temperature	T _{stg}	-40 ~ +85	
Lead solder temperature [2mm below package base]	260°C For 5 Seconds		

Operating Characteristics (TA=25°C)		MG (GaP)	Unit
Forward voltage (typ.) (I _F =20mA)	V _F	2.2	V
Forward voltage (max.) (I _F =20mA)	V _F	2.5	V
Reverse current (V _R =5V)	I _R	10	uA
Wavelength at peak emission (I _F =20mA)	λ peak	565	nm
Wavelength at Dominate emission (I _F =20mA)	λ D	568	nm
Spectral Line half-width (I _F =20mA)	Δλ	30	nm
Capacitance (V _F =0V, f=1MHz)	C	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (I _F =20mA) mcd		Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.		
XLMG53W	Green	GaP	Water Clear	70	195	565	30°



❖ MG

