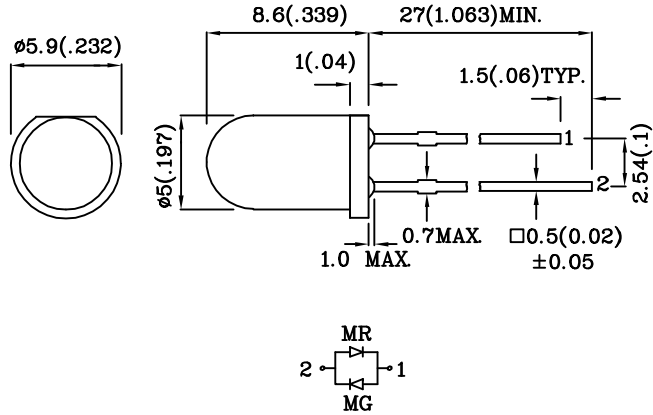


Features

- 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.



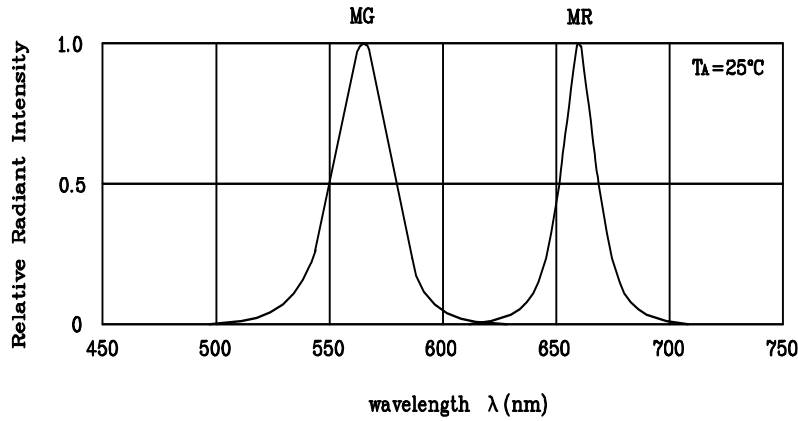
Notes:

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

Absolute maximum ratings ($T_A=25^\circ C$)		MR (GaAlAs)	MG (GaP)	Unit
Forward current	I_F	30	25	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i_{FS}	155	140	mA
Power dissipation	P_T	100	105	mW
Operating temperature	T_A	-40 ~ +85		°C
Storage temperature	T_{stg}	-40 ~ +85		
Lead solder temperature [2mm below packagebase]	260°C For 5 Seconds			

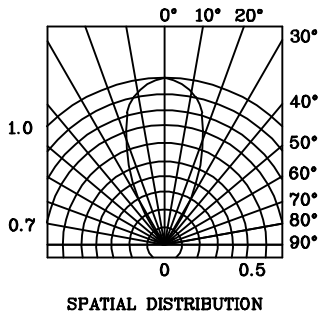
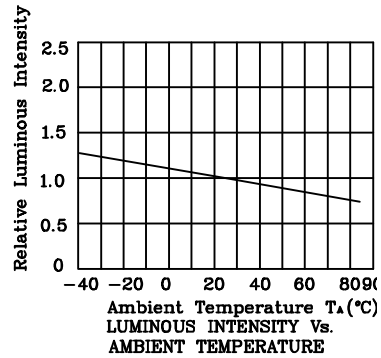
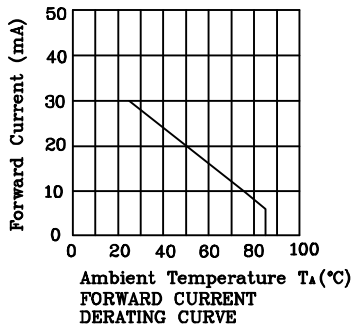
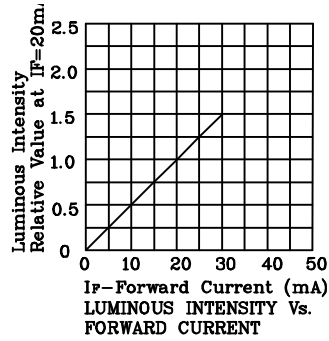
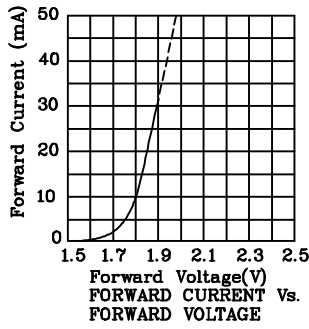
Operating Characteristics ($T_A=25^\circ C$)		MR (GaAlAs)	MG (GaP)	Unit
Forward voltage (typ.) ($I_F=20mA$)	V_F	1.85	2.2	V
Forward voltage (max.) ($I_F=20mA$)	V_F	2.5	2.5	V
Wavelength at peak emission ($I_F=20mA$)	λ_{peak}	660	565	nm
Wavelength at Dominate emission ($I_F=20mA$)	λ_D	640	568	nm
Spectral Line half-width ($I_F=20mA$)	$\Delta\lambda$	20	30	nm
Capacitance ($V_F=0V, f=1MHz$)	C	45	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ($I_F=20mA$) mcd		Wavelength nm λ_P	Viewing Angle 2θ 1/2
				min.	typ.		
XLMRMG53M	Red	GaAlAs	White Diffused	110	195	660	50°
	Green	GaP		18	55	565	



RELATIVE INTENSITY Vs. WAVELENGTH

❖ MR



❖ MG

