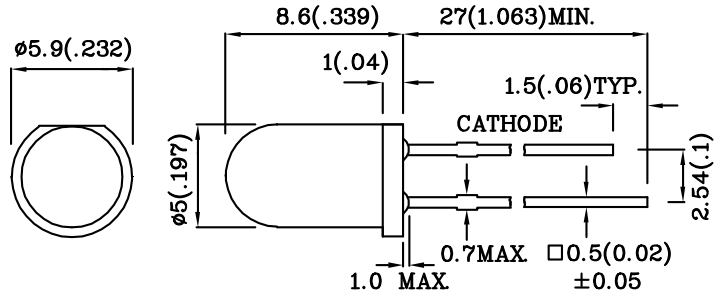


Features

- LOW POWER CONSUMPTION.
- POPULAR T-1 3/4 DIAMETER PACKAGE.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.



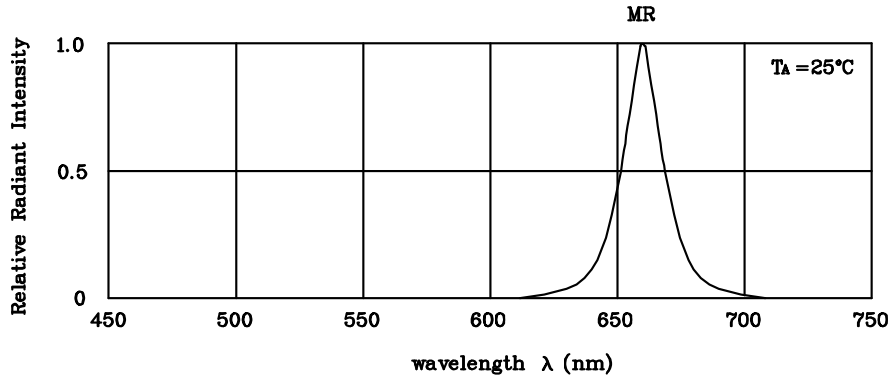
Notes:

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

Absolute maximum ratings (TA=25°C)		MR (GaAlAs)	Unit
Reverse voltage	VR	5	V
Forward current	IF	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	ifs	155	mA
Power dissipation	PT	100	mW
Operating temperature	TA	-40 ~ +85	°C
Storage temperature	Tstg	-40 ~ +85	
Lead solder temperature [2mm below package base]	260°C For 5 Seconds		

Operating Characteristics (TA=25°C)		MR (GaAlAs)	Unit
Forward voltage (typ.) (IF=20mA)	VF	1.85	V
Forward voltage (max.) (IF=20mA)	VF	2.5	V
Reverse current (VR=5V)	IR	10	uA
Wavelength at peak emission (IF=20mA)	λ peak	660	nm
Wavelength at Dominate emission (IF=20mA)	λ D	640	nm
Spectral Line half-width (IF=20mA)	$\Delta\lambda$	20	nm
Capacitance (VF=0V, f=1MHz)	C	45	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd		Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.		
XLMR53WDU	Red	GaAlAs	Water Clear	900	1090	660	30°



RELATIVE INTENSITY Vs. WAVELENGTH

❖ MR

