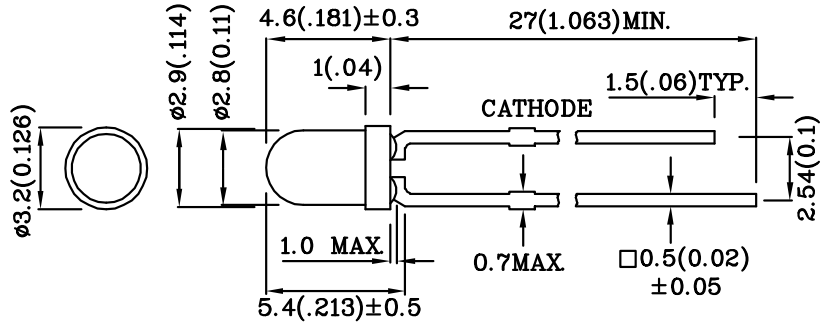


Features

- LOW POWER CONSUMPTION.
- POPULAR T-1 DIAMETER PACKAGE.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.
- LOW CURRENT IF=2mA OPERATING.



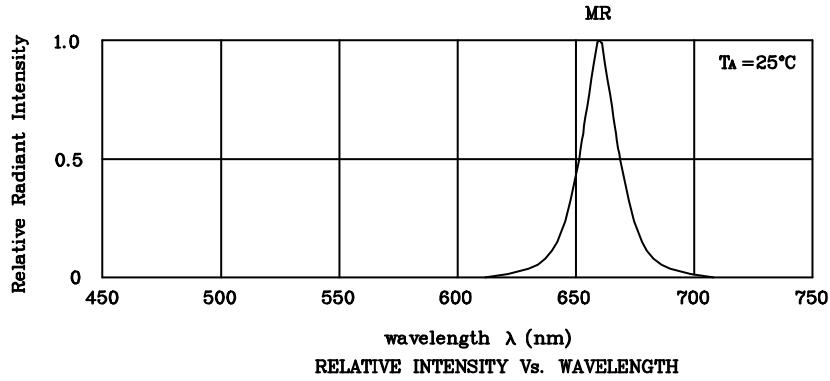
Notes:

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=2mA)	VF	1.65	V
Forward voltage (max.) (IF=2mA)	VF	2.5	V
Reverse current (VR=5V)	IR	10	uA
Wavelength at peak emission (IF=2mA)	λ peak	660	nm
Wavelength at Dominate emission (IF=2mA)	λ D	640	nm
Spectral Line half-width (IF=2mA)	$\Delta\lambda$	20	nm
Capacitance (VF=0V, f=1MHz)	C	45	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=2mA) mcd		Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.		
XCMR32D	Red	GaAlAs	Red Diffused	8	18	660	60°
Published Date : SEP 08,2003 Drawing No : XDSA2609 V2 Checked : B.L.LIU P.1/2							



❖ MR

