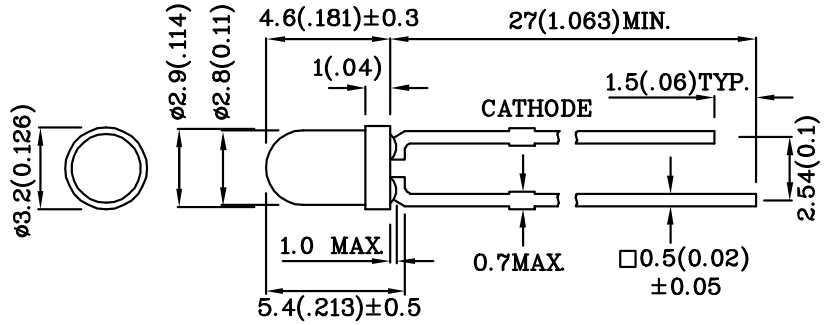


**Features**

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



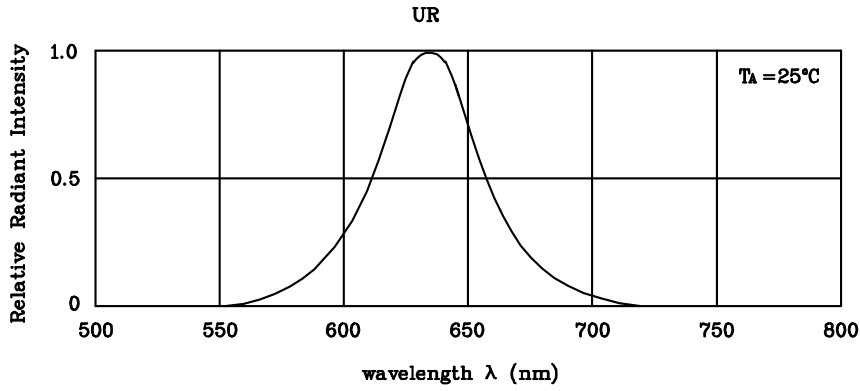
Notes:

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

Absolute maximum ratings (TA=25°C)		UR (GaAsP/GaP)	Unit
Reverse voltage	V <sub>R</sub>	5	V
Forward current	I <sub>F</sub>	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i <sub>FS</sub>	160	mA
Power dissipation	P <sub>T</sub>	105	mW
Operating temperature	T <sub>A</sub>	-40 ~ +85	°C
Storage temperature	T <sub>stg</sub>	-40 ~ +85	
Lead solder temperature [2mm below package base]	260°C For 5 Seconds		

Operating Characteristics (TA=25°C)		UR (GaAsP/ GaP)	Unit
Forward voltage (typ.) (I <sub>F</sub> =10mA)	V <sub>F</sub>	1.9	V
Forward voltage (max.) (I <sub>F</sub> =10mA)	V <sub>F</sub>	2.5	V
Reverse current (V <sub>R</sub> =5V)	I <sub>R</sub>	10	uA
Wavelength at peak emission (I <sub>F</sub> =10mA)	λ peak	627	nm
Wavelength at Dominate emission (I <sub>F</sub> =10mA)	λ D	625	nm
Spectral Line half-width (I <sub>F</sub> =10mA)	Δλ	45	nm
Capacitance (V <sub>F</sub> =0V, f=1MHz)	C	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (I <sub>F</sub> =10mA) mcd		Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.		
XLUR32D	Red	GaAsP/GaP	Red Diffused	8	19	627	60°
Published Date : AUG 26,2003      Drawing No : XDSA2321      V2      Checked : B.L.LIU      P.1/2							



RELATIVE INTENSITY Vs. WAVELENGTH

❖ UR

