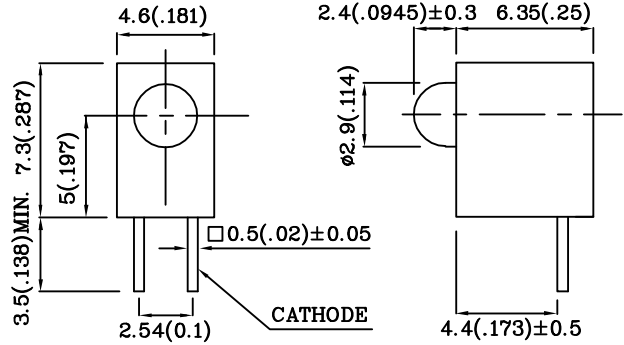


**Features**

- PRE-TRIMMED LEADS FOR PC MOUNTING.
- I.C. COMPATIBLE.
- BLACK CASE ENHANCES CONTRAST RATIO.
- WIDE VIEWING ANGLE.
- HIGH RELIABILITY LIFE MEASURED IN YEARS.
- UL RATING : 94V-0.
- HOUSING MATERIAL: TYPE 66 NYLON.



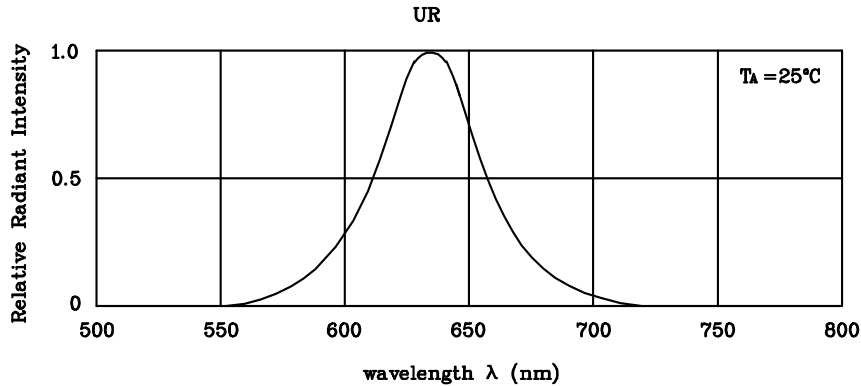
Notes:

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	VR	5	V
Forward current	IF	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	iFS	160	mA
Power dissipation	Pr	105	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)		UR (GaAsP/ GaP)	Unit
Forward voltage (typ.) (IF=10mA)	VF	1.9	V
Forward voltage (max.) (IF=10mA)	VF	2.5	V
Reverse current (VR=5V)	IR	10	uA
Wavelength at peak emission (IF=10mA)	$\lambda$ peak	627	nm
Wavelength at Dominate emission (IF=10mA)	$\lambda$ D	625	nm
Spectral Line half-width (IF=10mA)	$\Delta\lambda$	45	nm
Capacitance (VF=0V, f=1MHz)	C	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=10mA) med		Wavelength nm $\lambda$ P	Viewing Angle 2 $\theta$ 1/2
				min.	typ.		
XVB1LUR32D	Red	GaAsP/GaP	Red Diffused	8	19	627	60°
Published Date : SEP 27,2003      Drawing No : XDSA2749      V2      Checked : B.L.LIU      P.1/2							



RELATIVE INTENSITY Vs. WAVELENGTH

❖ UR

