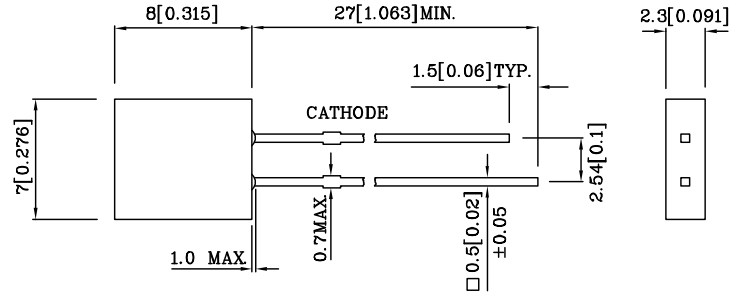


Features

- LOW POWER CONSUMPTION.
- RELIABLE AND RUGGED.
- EXCELLENT UNIFORMITY OF LIGHT OUTPUT.
- SUITABLE FOR LEVEL INDICATOR.
- LONG LIFE - SOLID STATE RELIABILITY.
- I.C. COMPATIBLE.



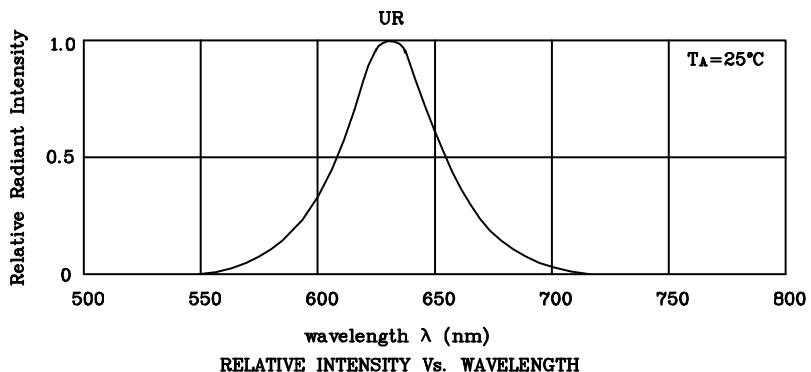
Notes:

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	PT	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 ($T_A=25^\circ\text{C}$)		UR (GaAsP/GaP)	Unit
Forward voltage (typ.) ($I_F=10\text{mA}$)	V_F	1.9	V
Forward voltage (max.) ($I_F=10\text{mA}$)	V_F	2.5	V
Reverse current ($V_R=5\text{V}$)	I_R	10	μA
Wavelength at peak emission ($I_F=10\text{mA}$)	λ_{peak}	627	nm
Wavelength at Dominate emission ($I_F=10\text{mA}$)	λ_D	625	nm
Spectral Line half-width ($I_F=10\text{mA}$)	$\Delta\lambda$	45	nm
Capacitance ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ($I_F=10\text{mA}$) mcd		Wavelength nm λ_P	Viewing Angle $2\theta_{1/2}$
				min.	typ.		
XSUR19D	Red	GaAsP/GaP	Red Diffused	3	4.5	627	110 $^\circ$
Published Date : SEP 01,2003 Drawing No :XDSA2475 V2 Checked : B.L.LIU P.1/2							



❖ UR

