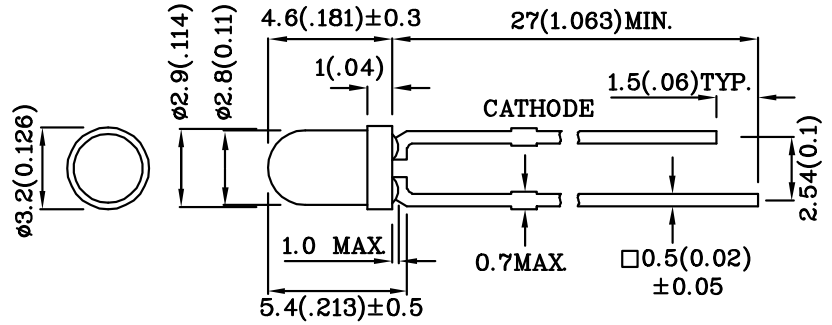


**Features**

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



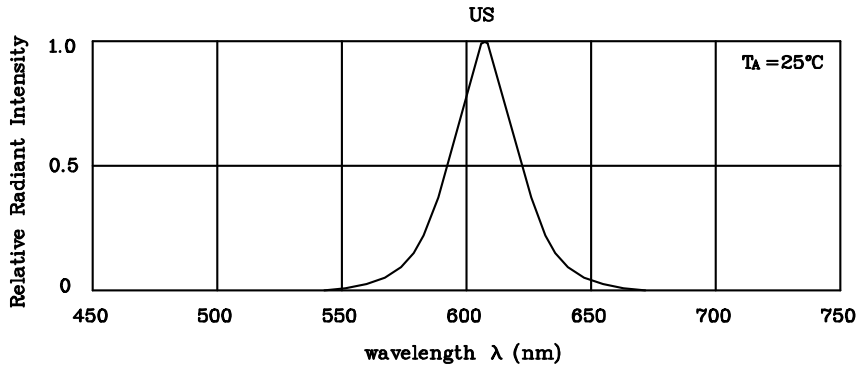
Notes:

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

Absolute maximum ratings ( $T_A=25^\circ\text{C}$ )		US (GaAsP/GaP)	Unit
Reverse voltage	$V_R$	5	V
Forward current	$I_F$	25	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	$i_{FS}$	145	mA
Power dissipation	$P_T$	105	mW
Operating temperature	$T_A$	-40 ~ +85	°C
Storage temperature	$T_{stg}$	-40 ~ +85	
Lead solder temperature [2mm below package base]	260°C For 5 Seconds		

Operating Characteristics ( $T_A=25^\circ\text{C}$ )		US (GaAsP/ GaP)	Unit
Forward voltage (typ.) ( $I_F=10\text{mA}$ )	$V_F$	1.95	V
Forward voltage (max.) ( $I_F=10\text{mA}$ )	$V_F$	2.5	V
Reverse current ( $V_R=5\text{V}$ )	$I_R$	10	$\mu\text{A}$
Wavelength at peak emission ( $I_F=10\text{mA}$ )	$\lambda_{\text{peak}}$	607	nm
Wavelength at Dominate emission ( $I_F=10\text{mA}$ )	$\lambda_D$	610	nm
Spectral Line half-width ( $I_F=10\text{mA}$ )	$\Delta\lambda$	35	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 $\lambda_P$	Viewing Angle $2\theta_{1/2}$
				min.	typ.		
XLUS32D	Orange	GaAsP/GaP	Orange Diffused	8	29	607	60°
Published Date : AUG 26,2003				Drawing No : XDSA2325		V2 Checked : B.L.LIU P.1/2	



RELATIVE INTENSITY Vs. WAVELENGTH

❖ US

