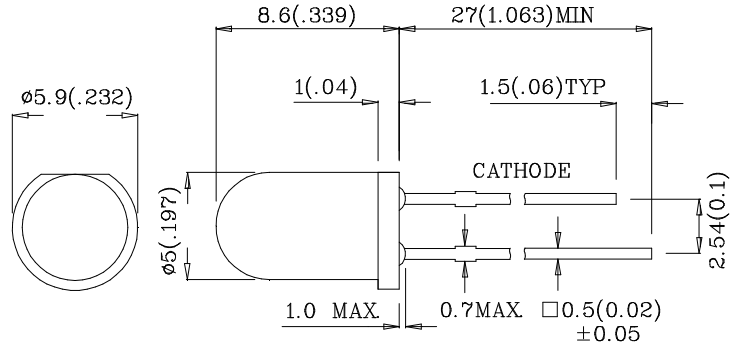


**Features**

- LOW POWER CONSUMPTION.
- POPULAR T-13/4 DIAMETER PACKAGE.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.
- 5V INTERNAL RESISTOR.



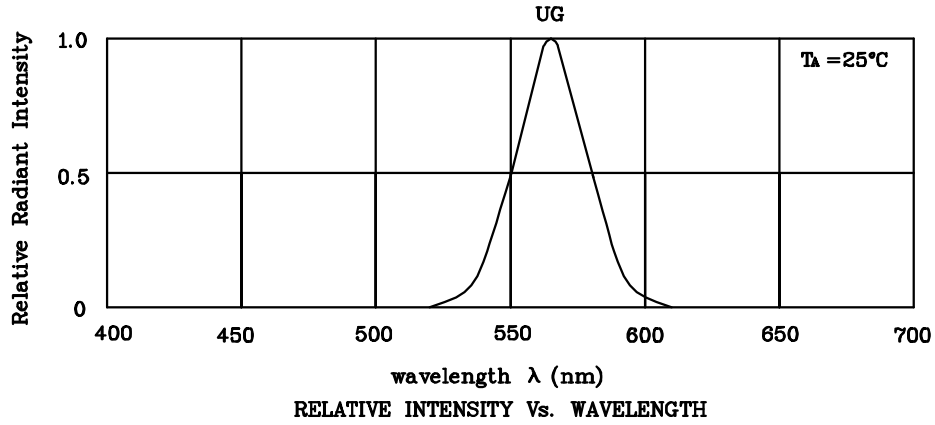
Notes:

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

Absolute maximum ratings ( $T_A=25^\circ\text{C}$ )		UG (GaP)	Unit
Reverse voltage	$V_R$	5	V
Forward voltage	$V_F$	6	V
Power dissipation	$P_T$	85	mW
Operating temperature	$T_A$	-40 ~ +70	°C
Storage temperature	$T_{stg}$	-40 ~ +85	
Lead solder temperature [2mm below package base]	260°C For 5 Seconds		

Operating Characteristics ( $T_A=25^\circ\text{C}$ )		UG (GaP)	Unit
Forward current (typ.) ( $V_F=5\text{V}$ )	$I_F$	11.5	mA
Forward current (max.) ( $V_F=5\text{V}$ )	$I_F$	17.5	mA
Reverse current ( $V_R=5\text{V}$ )	$I_R$	10	$\mu\text{A}$
Wavelength at peak emission ( $V_F=5\text{V}$ )	$\lambda_{\text{peak}}$	565	nm
Wavelength at Dominate emission ( $V_F=5\text{V}$ )	$\lambda_D$	568	nm
Spectral Line half-width ( $V_F=5\text{V}$ )	$\Delta\lambda$	30	nm

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ( $V=5\text{V}$ ) mcd		Wavelength nm $\lambda_P$	Viewing Angle $2\theta_{1/2}$
				min.	typ.		
XLUG53D5V	Green	GaP	Green Diffused	8	19	565	60°
Published Date : SEP 08,2003      Drawing No :XDSA2628      V2      Checked : B.L.LIU      P.1/2							



❖ UG

