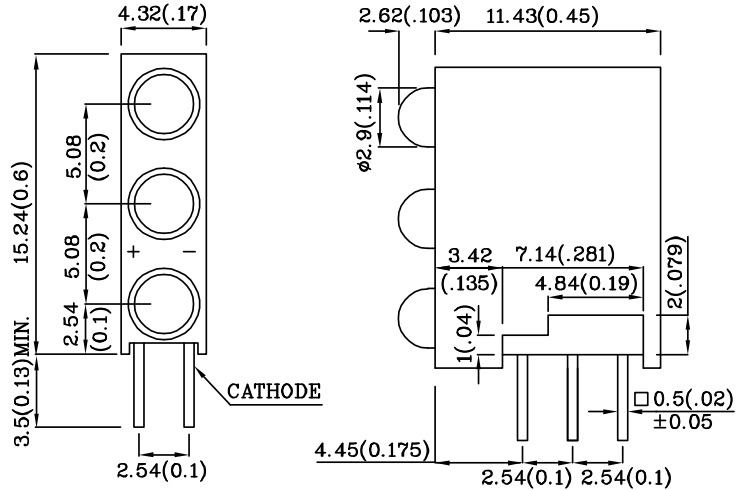


### Features

- TRI-LEVEL DESIGN.
- DIFFERENT COLOR COMBINATION AVAILABLE.
- BLACK CASE ENHANCES CONTRAST RATIO.
- HIGH RELIABILITY LIFE MEASURED IN YEARS.
- UL RATING : 94V-0.
- HOUSING MATERIAL: TYPE 66 NYLON.

### Notes:

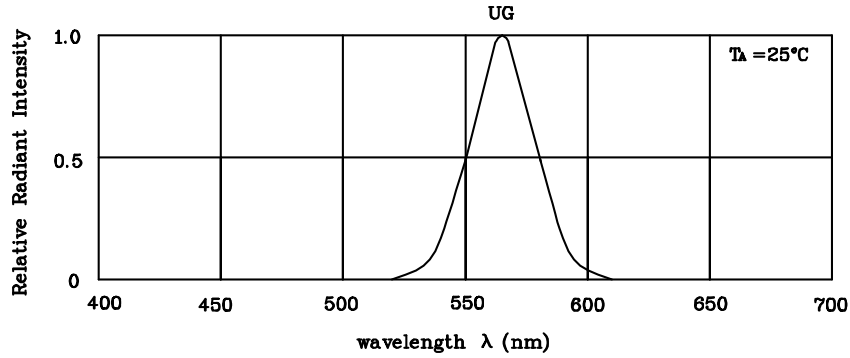
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$ " unless otherwise noted.



Absolute maximum ratings ( $T_A=25^\circ\text{C}$ )		UG (GaP)	Unit
Reverse voltage	$V_R$	5	V
Forward current	$I_F$	25	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	$i_{FS}$	140	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		

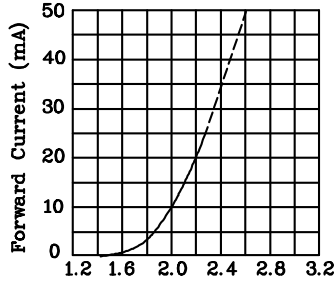
Operating Characteristics ( $T_A=25^\circ\text{C}$ )		UG (GaP)	Unit
Forward voltage (typ.) ( $I_F=10\text{mA}$ )	$V_F$	2.0	V
Forward voltage (max.) ( $I_F=10\text{mA}$ )	$V_F$	2.5	V
Reverse current ( $V_R=5\text{V}$ )	$I_R$	10	$\mu\text{A}$
Wavelength at peak emission ( $I_F=10\text{mA}$ )	$\lambda_{\text{peak}}$	565	nm
Wavelength at Dominate emission ( $I_F=10\text{mA}$ )	$\lambda_D$	568	nm
Spectral Line half-width ( $I_F=10\text{mA}$ )	$\Delta\lambda$	30	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.		
XPZ3LUG32D	Green	GaP	Green Diffused	8	19	565	60°
Published Date : SEP 14,2003      Drawing No : XDSA2808      V2      Checked : B.L.LIU      P.1/2							

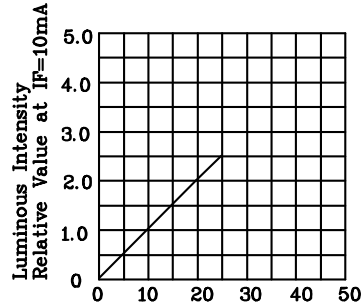


RELATIVE INTENSITY Vs. WAVELENGTH

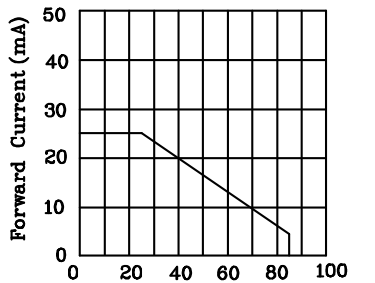
❖ UG



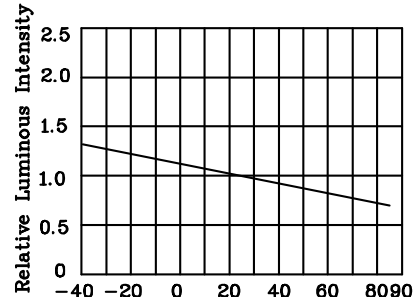
Forward Voltage(V)  
**FORWARD CURRENT Vs.  
FORWARD VOLTAGE**



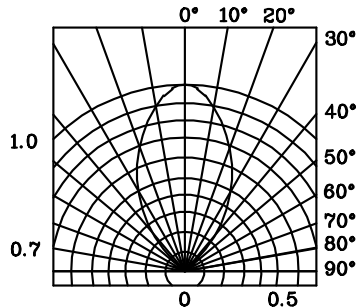
$I_F$ -Forward Current (mA)  
**LUMINOUS INTENSITY Vs.  
FORWARD CURRENT**



Ambient Temperature  $T_A$ (°C)  
**FORWARD CURRENT  
DERATING CURVE**



Ambient Temperature  $T_A$ (°C)  
**LUMINOUS INTENSITY Vs.  
AMBIENT TEMPERATURE**



**SPATIAL DISTRIBUTION**