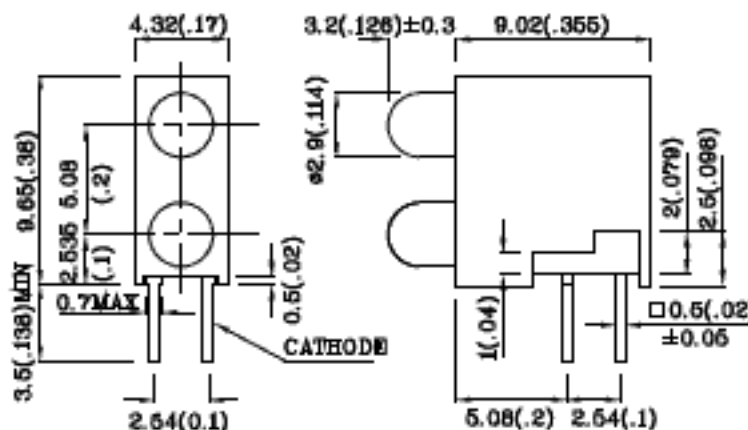


Features

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



Notes:

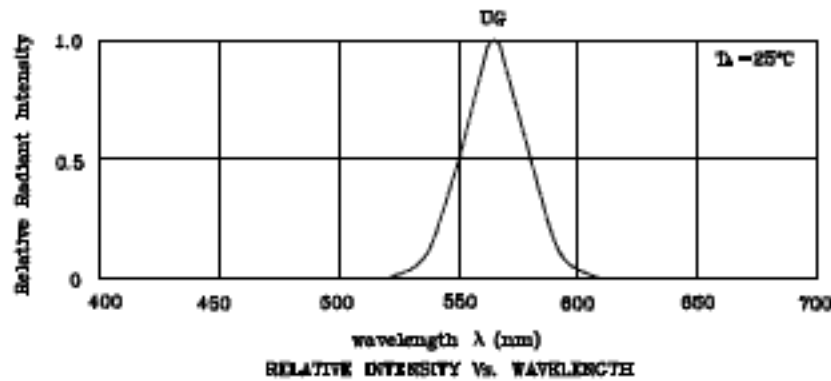
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.

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
Storage Temperature	T_{stg}	-40 ~ +85
Lead Solder Temperature [2mm below package base]	260°C For 3 Seconds	
Lead Solder Temperature [6mm below package base]	260°C For 5 Seconds	

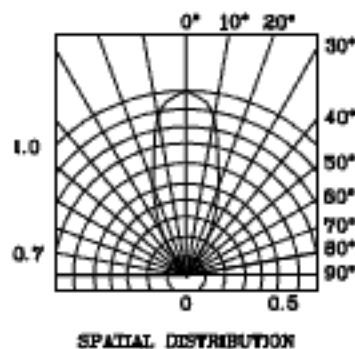
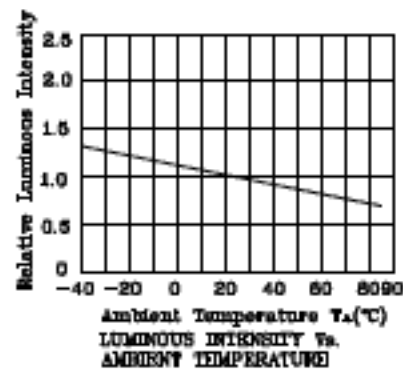
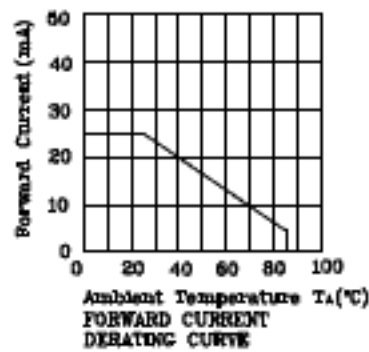
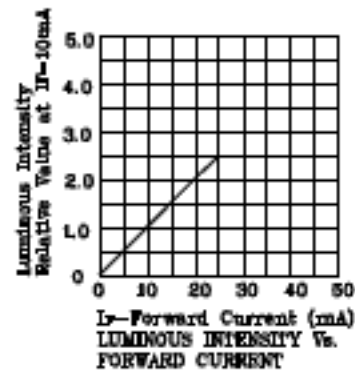
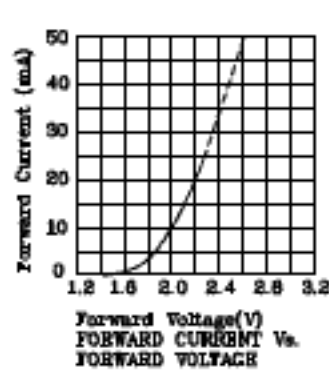
Operating Characteristics ($T_A=25^\circ\text{C}$)	UG (GaP)	Unit
Forward Voltage (typ.) ($I_F=10\text{mA}$)	V_F	2.0 V
Forward Voltage (max.) ($I_F=10\text{mA}$)	V_F	2.5 V
Reverse Current ($V_R=5\text{V}$)	I_R	10 μA
Wavelength of Peak Emission ($I_F=10\text{mA}$)	λ_P	565 nm
Wavelength of Dominant Emission ($I_F=10\text{mA}$)	λ_D	568 nm
Spectral Line Full Width At Half-Maximum ($I_F=10\text{mA}$)	$\Delta\lambda$	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 λ_P	Viewing Angle 2θ 1/2
				min.	typ.		
XYN2LUG11D	Green	GaP	Green Diffused	8	19	565	40°

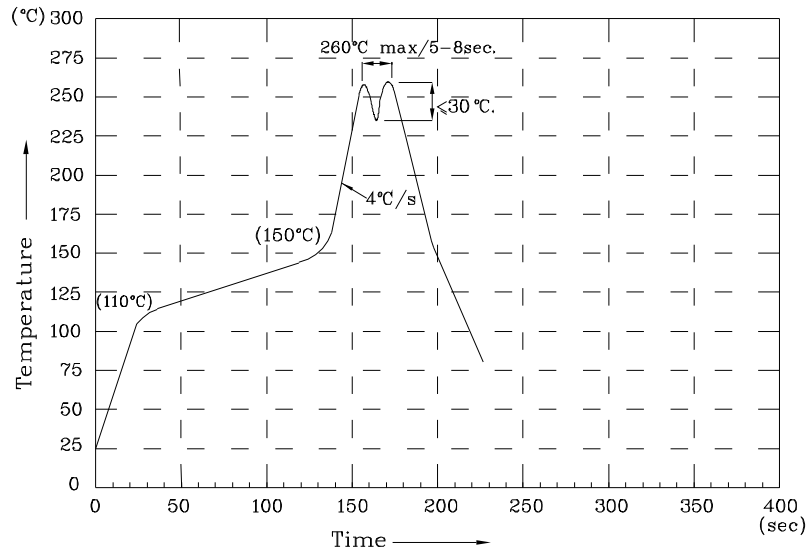
Published Date : MAY 07,2005 Drawing No : XDSA7934 V1 Checked : B.L.LIU P.1/3



◆ UG



Wave Soldering Profile For Lead-free Through-hole LED.



NOTES:

1. Recommend the wave temperature 245°C~260°C. The maximum soldering temperature should be less than 260°C.
2. Do not apply stress on epoxy resins when temperature is over 85 degree°C.
3. The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
4. No more than once.

Remarks:

If special sorting is required (e.g. binning based on forward voltage, luminous intensity, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous Intensity: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.