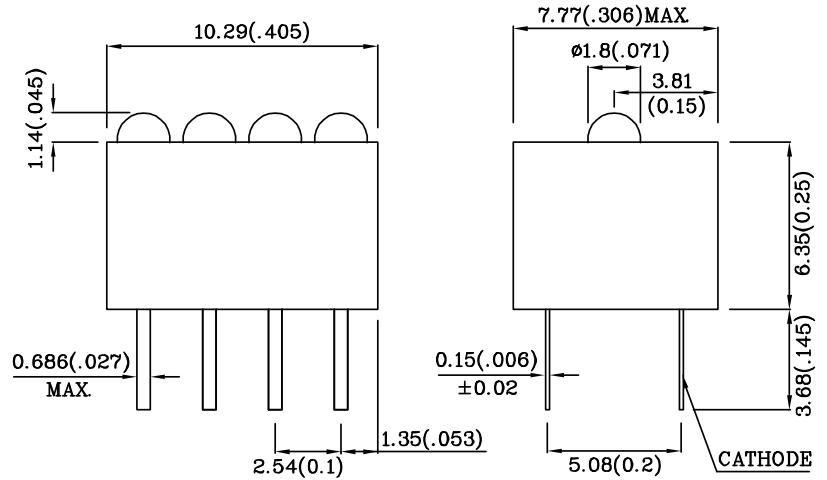


**Features**

- BLACK CASE ENHANCES CONTRAST.
- VIBRATION AND SHOCK RESISTANT.
- AVAILABLE WITH A VARIETY OF LEDs.
- UL RATING : 94V-0.
- HOUSING MATERIAL: TYPE 66 NYLON.
- 5V INTERNAL RESISTOR.
- RoHS COMPLIANT.



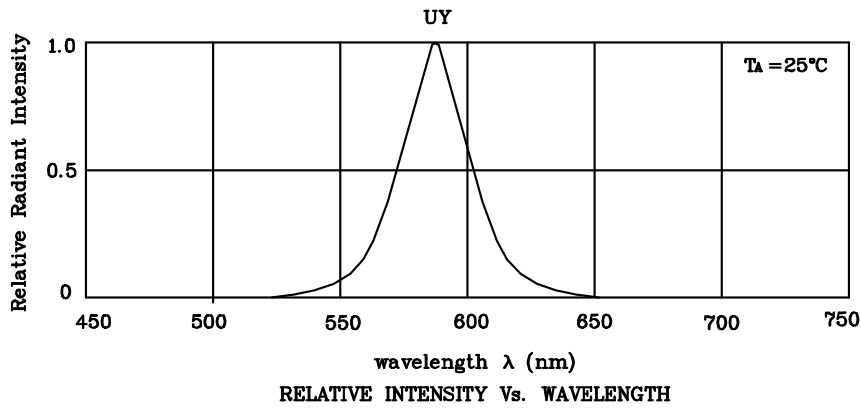
Notes:

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

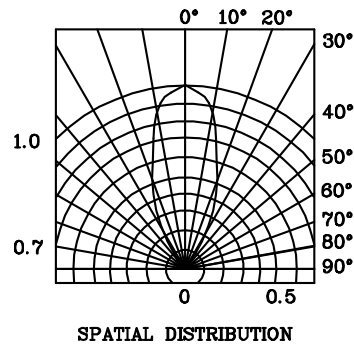
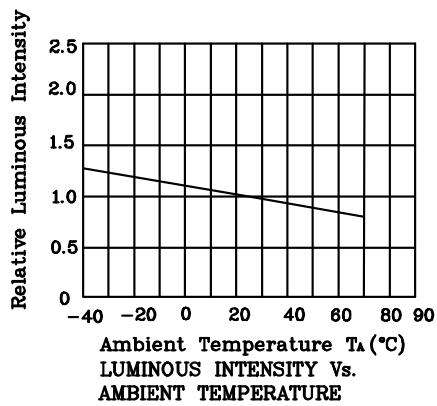
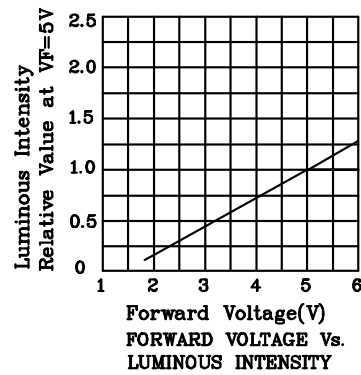
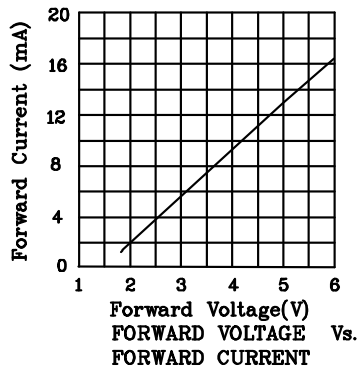
Absolute maximum ratings (TA=25°C)		UY (GaAsP/ GaP)	Unit
Reverse Voltage	V <sub>R</sub>	5	V
Forward Current	V <sub>F</sub>	6	V
Power Dissipation	P <sub>T</sub>	85	mW
Operating Temperature	T <sub>A</sub>	-40 ~ +70	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +85	
Lead Solder Temperature [2mm below package base]	260°C For 3 Seconds		
Lead Solder Temperature [5mm below package base]	260°C For 5 Seconds		

Operating Characteristics (TA=25°C)		UY (GaAsP/ GaP)	Unit
Forward Voltage (Typ.) (V <sub>F</sub> =5V)	I <sub>F</sub>	13	mA
Forward Voltage (Max.) (V <sub>F</sub> =5V)	I <sub>F</sub>	17.5	mA
Reverse Current (V <sub>R</sub> =5V)	I <sub>R</sub>	10	uA
Wavelength of Peak Emission (V <sub>F</sub> =5V)	λ <sub>p</sub>	590	nm
Wavelength of Dominant Emission (V <sub>F</sub> =5V)	λ <sub>D</sub>	588	nm
Spectral Line Full Width At Half-Maximum (V <sub>F</sub> =5V)	Δλ	35	nm

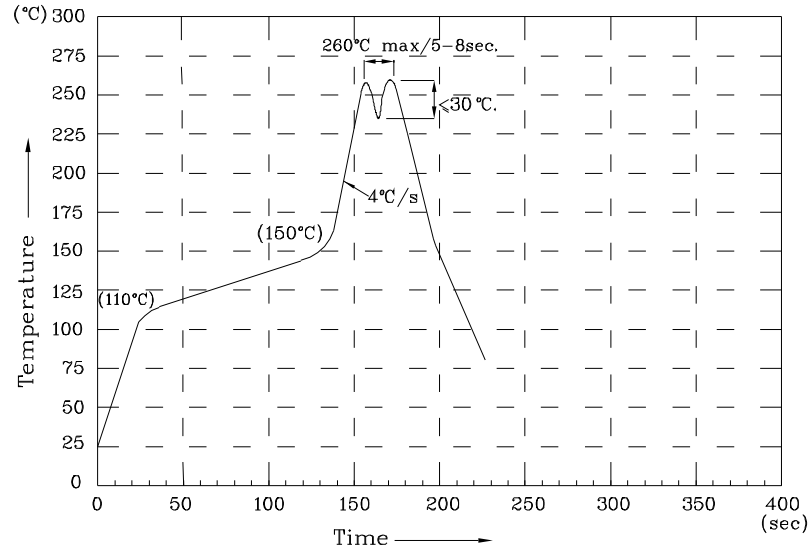
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (V=5V) mcd		Wavelength nm λ P	Viewing Angle 2θ 1/2
				min.	typ.		
XNG4ZUY46D5V	Yellow	GaAsP/GaP	Yellow Diffused	1.0	2.8	590	40°
Published Date : MAY 04,2005      Drawing No : XDSA2740      V3      Checked : B.L.LIU      P.1/3							



◆ UY



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 luminous intensity, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous Intensity: +/-15%

Note: Accuracy may depend on the sorting parameters.