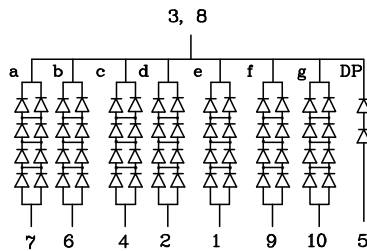


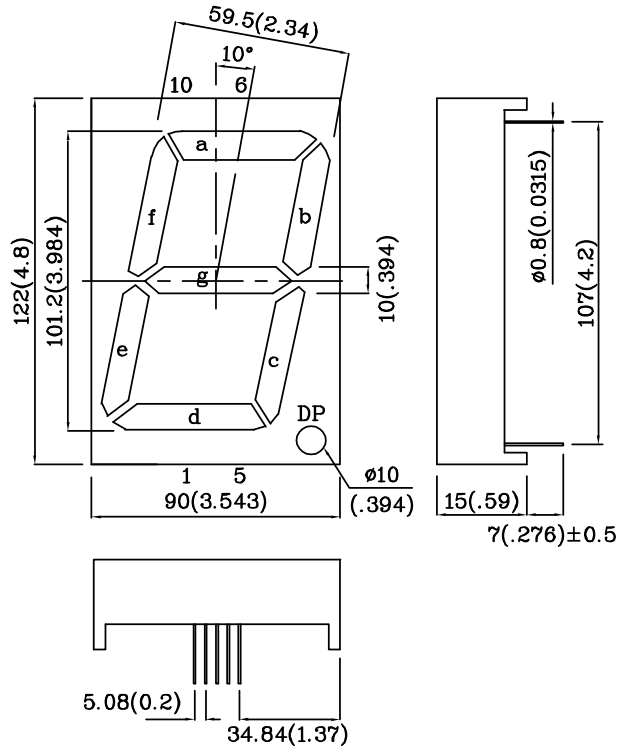
**Features**

- LARGE SIZE.
- 4.0 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- HIGH LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



Notes:

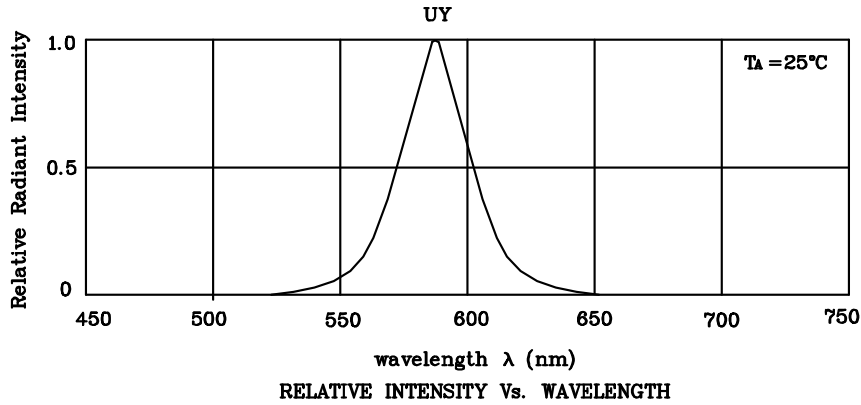
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01")$  unless otherwise noted.



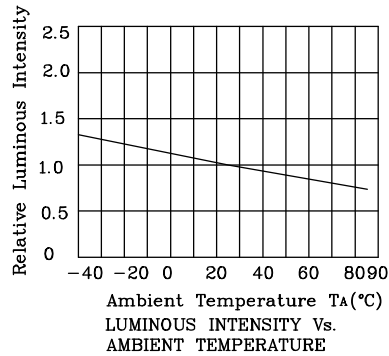
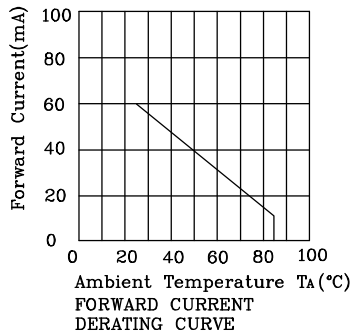
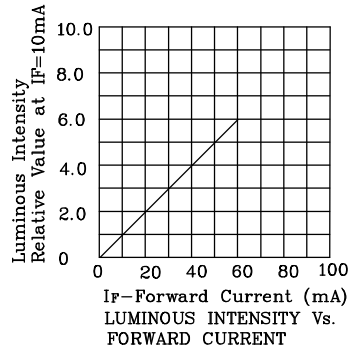
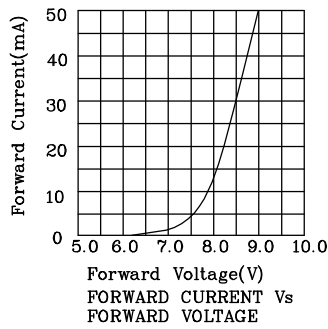
Absolute maximum ratings (TA=25°C)		UY (GaAsP/GaP)	Unit
Reverse Voltage Per Segment or (Dp)	V <sub>R</sub>	20 (10)	V
Forward Current Per Segment or (Dp)	I <sub>F</sub>	60 (30)	mA
Forward Current (Peak) Per Segment or (Dp) 1/10 Duty Cycle 0.1ms Pulse Width	i <sub>F</sub> S	280 (140)	mA
Power Dissipation Per Segment or (Dp)	P <sub>T</sub>	600 (150)	mW
Operating Temperature	T <sub>A</sub>	-40 ~ +85	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 5 Seconds		

Operating Characteristics (TA=25°C)		UY (GaAsP/GaP)	Unit
Forward Voltage (Typ.) Per Segment or (Dp) (I <sub>F</sub> =10mA)	V <sub>F</sub>	7.8 (3.9)	V
Forward Voltage (Max.) Per Segment or (Dp) (I <sub>F</sub> =10mA)	V <sub>F</sub>	10.0 (5.0)	V
Reverse Current Per Segment or (Dp) (V <sub>R</sub> =20(10)V)	I <sub>R</sub>	20 (10)	uA
Wavelength of Peak Emission (I <sub>F</sub> =10mA)	$\lambda P$	590	nm
Wavelength of Dominant Emission (I <sub>F</sub> =10mA)	$\lambda D$	588	nm
Spectral Line Full Width At Half- Maximum (I <sub>F</sub> =10mA)	$\Delta\lambda$	35	nm
Capacitance (V <sub>F</sub> =0V, f=1MHz)	C	20	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity (I <sub>F</sub> =10mA) ucd		Wavelength nm $\lambda P$	Description
			min.	typ.		
XDUY100C	Yellow	GaAsP/GaP	8000	25990	590	Common Cathode, Rt. Hand Decimal
Published Date : JUN 04,2005		Drawing No : XDSA0298		V4	Checked : Shin Chi	P.1/3



❖ UY



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.

**XDUY100C**

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.