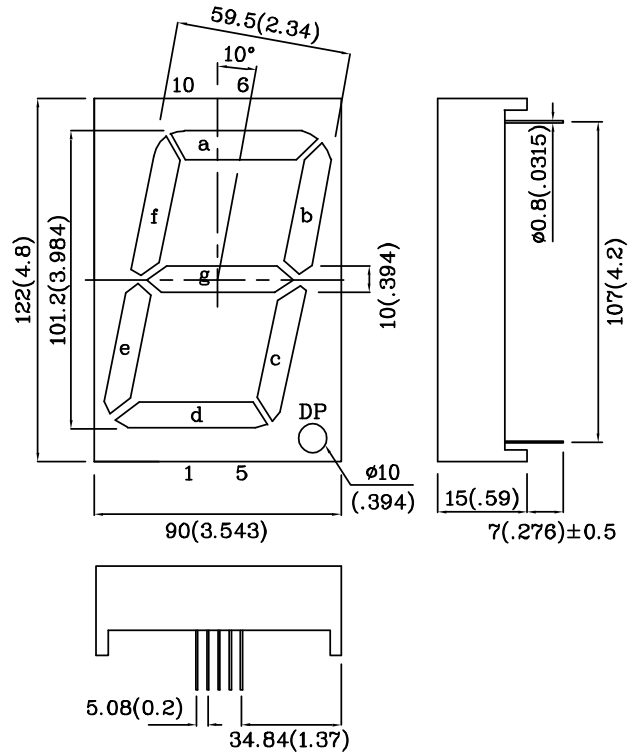
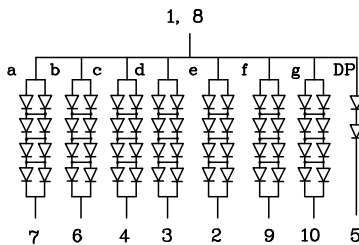


**Features**

- 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.



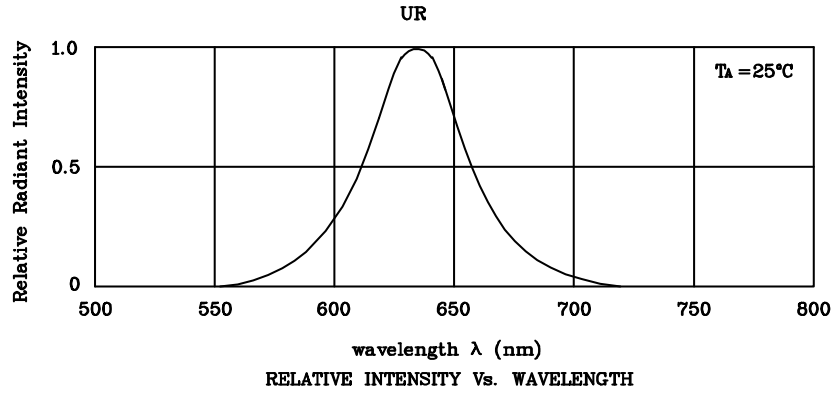
Notes:

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

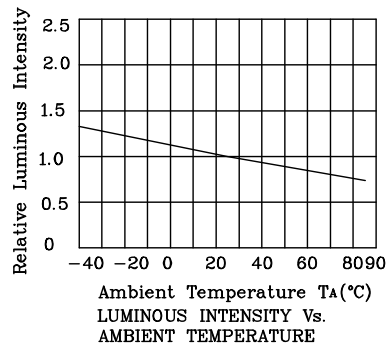
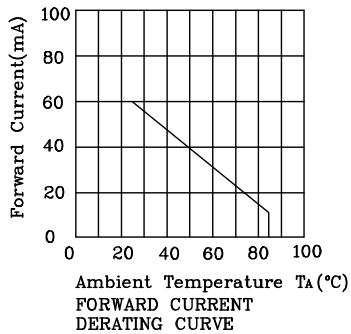
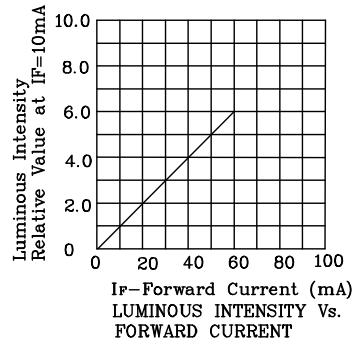
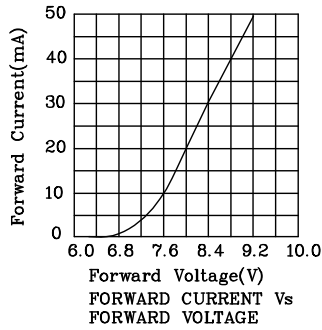
Absolute maximum ratings (TA=25°C)	UR (GaAsP/GaP)	Unit
Reverse Voltage Per Segment or (Dp)	V <sub>R</sub>	20 (10) V
Forward Current Per Segment or (Dp)	I <sub>F</sub>	60 (30) mA
Forward Current (Peak) Per Segment or (Dp) 1/10 Duty Cycle 0.1ms Pulse Width	i <sub>F</sub> S	320 (160) mA
Power Dissipation 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)	UR (GaAsP/GaP)	Unit
Forward Voltage (Typ.) Per Segment or (Dp) (I <sub>F</sub> =10mA)	V <sub>F</sub>	7.6 (3.8) 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)	λ <sub>P</sub>	627 nm
Wavelength of Dominant Emission (I <sub>F</sub> =10mA)	λ <sub>D</sub>	625 nm
Spectral Line Full Width At Half- Maximum (I <sub>F</sub> =10mA)	Δλ	45 nm
Capacitance (V <sub>F</sub> =0V, f=1MHz)	C	15 pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity (I <sub>F</sub> =10mA) ucd	Wavelength nm λ <sub>P</sub>	Description
XDUR100A-A	Red	GaAsP/GaP	min. 12000 typ. 43990	627	Common Anode, Rt. Hand Decimal
Published Date : JUN 03,2005      Drawing No : XDSA0287      V4      Checked : Shin Chi      P.1/3					



❖ UR



Remarks:

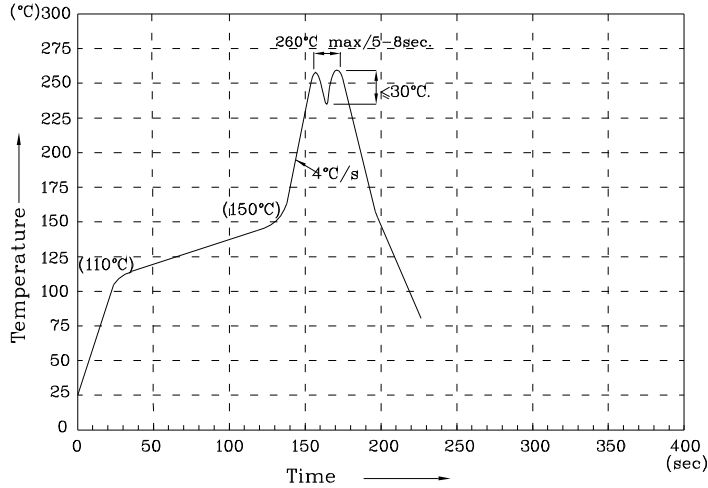
If special sorting is required (e.g. binning based on forward voltage, luminous intensity or wavelength), the typical accuracy of the sorting process is as follows:

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

Note: Accuracy may depend on the sorting parameters.

**XDUR100A-A**

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.