SunLED
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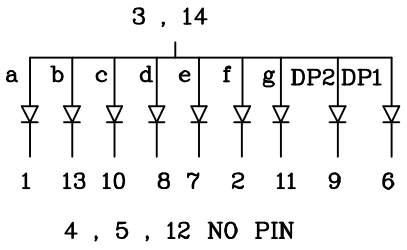
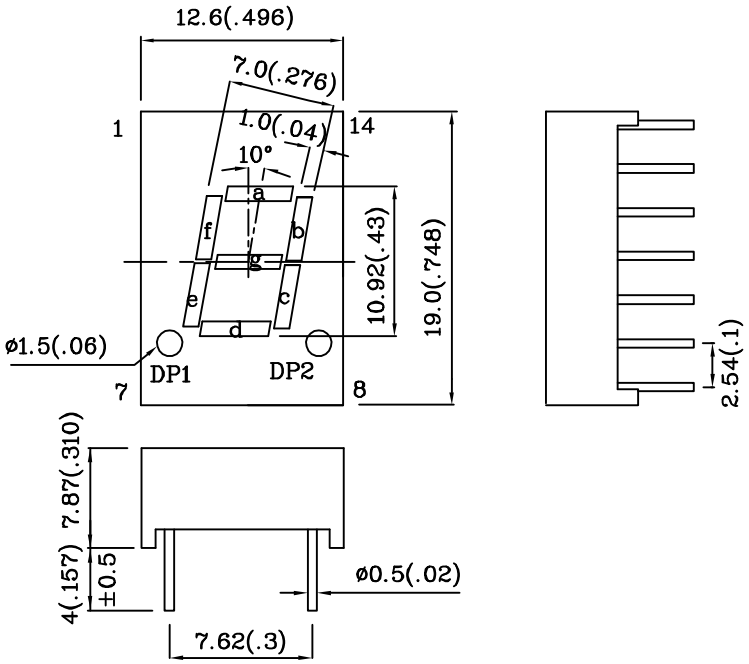
Part Number: **XDUR11A-A**

10.92mm (0.43") SINGLE DIGIT NUMERIC DISPLAY

Features

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





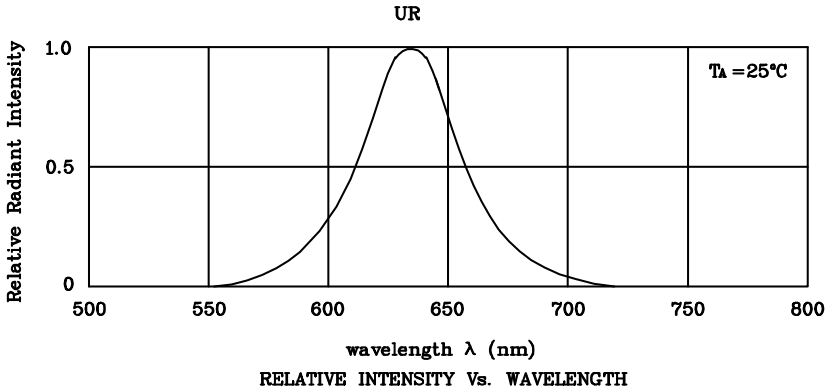
Notes:

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

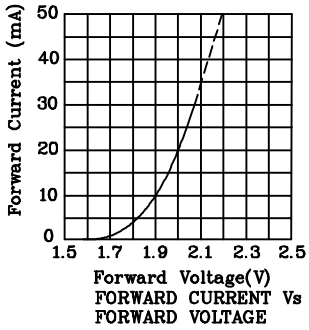
Absolute maximum ratings (T_A=25°C)		**UR (GaAsP/GaP)**	**Unit**
Reverse Voltage	V_R	5	V
Forward Current	I_F	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i_{FS}	160	mA
Power Dissipation	P_T	105	mW
Operating Temperature	T_A	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 5 Seconds		

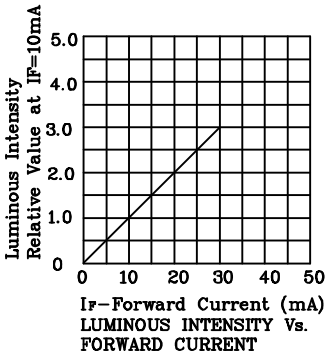
Operating Characteristics (TA=25°C)		**UR (GaAsP/GaP)**	**Unit**
Forward Voltage (Typ.) (I_F=10mA)	V_F	1.9	V
Forward Voltage (Max.) (I_F=10mA)	V_F	2.5	V
Reverse Current (V_R=5V)	I_R	10	uA
Wavelength of Peak Emission (I_F=10mA)	λ P	627	nm
Wavelength of Dominant Emission (I_F=10mA)	λ D	625	nm
Spectral Line Full Width At Half-Maximum (I_F=10mA)	Δλ	45	nm
Capacitance (V_F=0V, f=1MHz)	C	15	pF

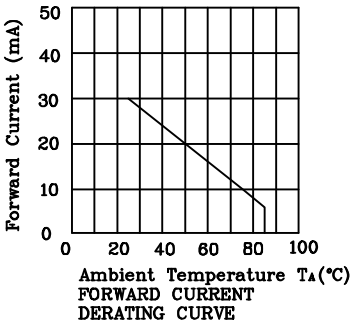
Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd		Wavelength nm λ P	Description
			min.	typ.		
XDUR11A-A	Red	GaAsP/GaP	1200	4690	627	Common Anode, Rt. & Lt. Hand Decimal

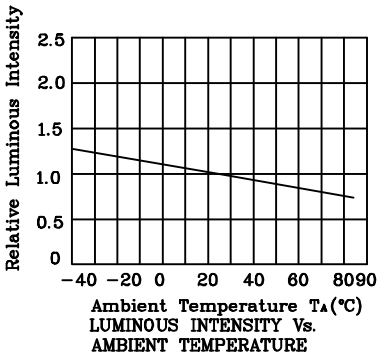


❖ UR









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.

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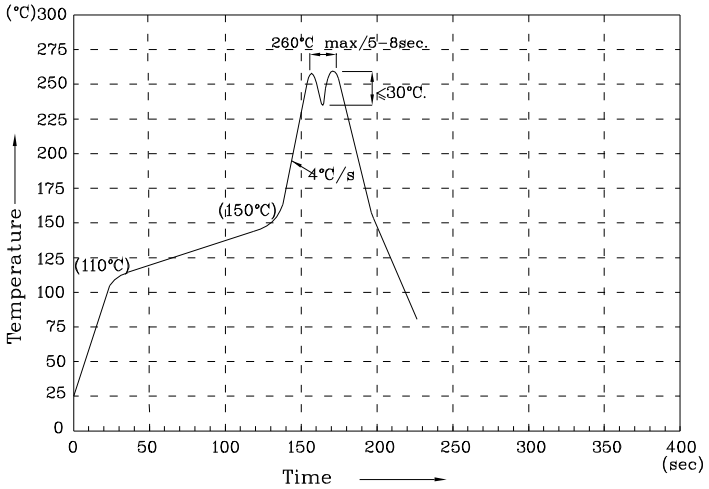
Wave Soldering Profile For Lead-free Through-hole LED.



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.