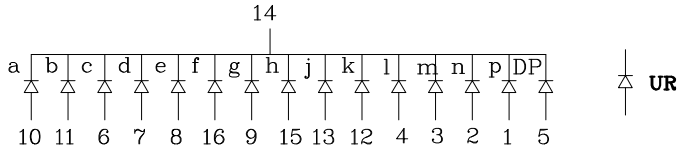
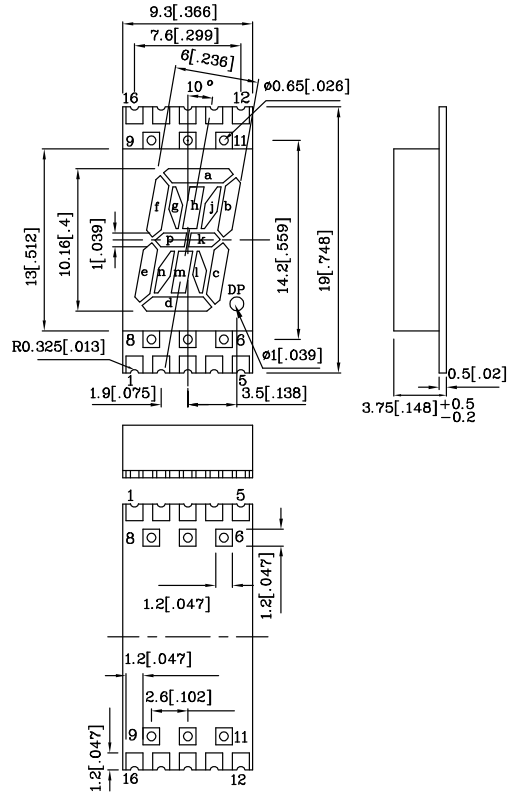


Features

- 0.4 INCH CHARACTER HEIGHT.
- LOW CURRENT OPERATION.
- HIGH CONTRAST AND LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- CATEGORIZED FOR LUMINOUS INTENSITY.
- MECHANICALLY RUGGED.
- GRAY FACE, WHITE SEGMENT.
- PACKAGE : 800PCS / REEL.
- RoHS COMPLIANT.



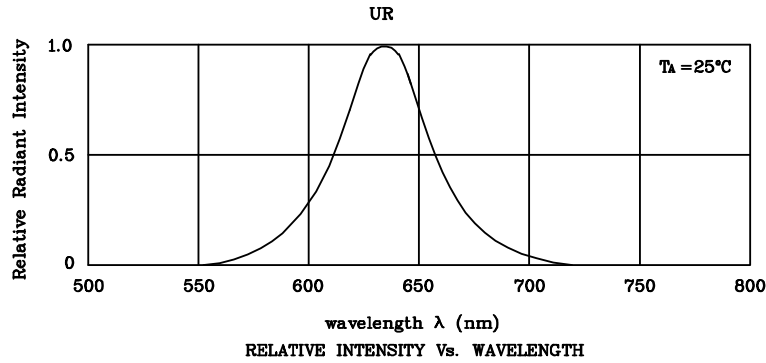
Notes:

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

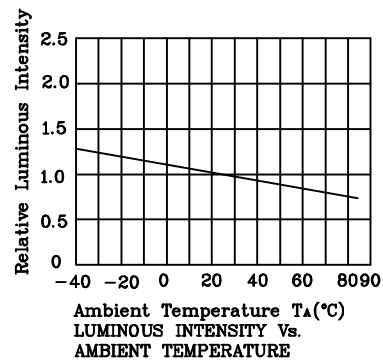
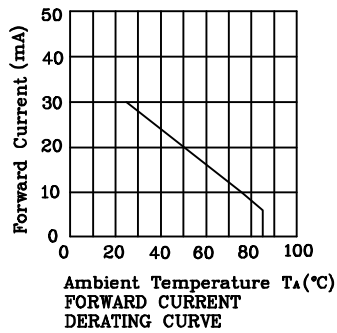
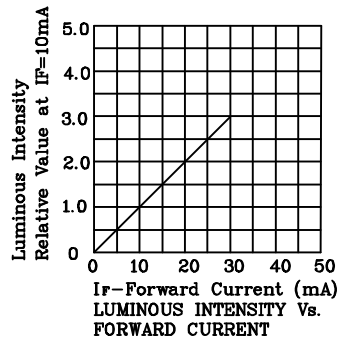
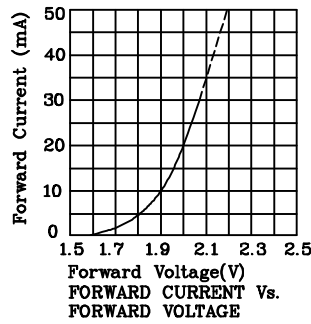
| Absolute maximum ratings ($T_A=25^\circ\text{C}$) | | UR (GaAsP/ GaP) | Unit |
|--|-----------|-----------------------|------|
| Reverse Voltage | V_R | 5 | V |
| Forward Current | I_F | 30 | mA |
| Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width | i_{FS} | 160 | mA |
| Power Dissipation | P_T | 105 | mW |
| Operating Temperature | T_A | -40 ~ +85 | °C |
| Storage Temperature | T_{stg} | -40 ~ +85 | |

| Operating Characteristics ($T_A=25^\circ\text{C}$) | | UR (GaAsP/ GaP) | Unit |
|--|-----------------|-----------------------|---------------|
| Forward Voltage (Typ.) ($I_F=10\text{mA}$) | V_F | 1.9 | 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 | 627 | nm |
| Wavelength of Dominant Emission ($I_F=10\text{mA}$) | λ_D | 625 | nm |
| Spectral Line Full Width At Half-Maximum ($I_F=10\text{mA}$) | $\Delta\lambda$ | 45 | nm |
| Capacitance ($V_F=0\text{V}$, $f=1\text{MHz}$) | C | 15 | pF |

| Part Number | Emitting Color | Emitting Material | Luminous Intensity ($I_F=10\text{mA}$) ucd | | Wavelength nm λ_P | Description |
|-------------|----------------|-------------------|--|------|---------------------------------|----------------------------------|
| | | | min. | typ. | | |
| XZAU10C | Red | GaAsP/GaP | 800 | 3190 | 627 | Common Cathode, Rt. Hand Decimal |



❖ UR



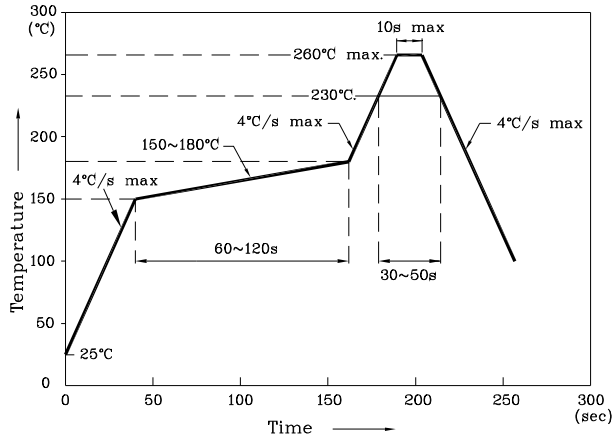
Remarks:

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.

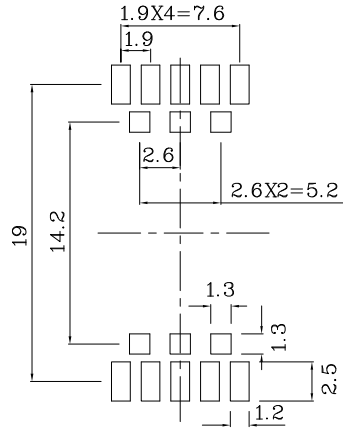
Reflow Soldering Profile For Lead-free SMT Process.



Notes:

1. Maximum soldering temperature should not exceed 260°C.
2. Recommended reflow temperature: 145°C–260°C.
3. Do not put stress to the epoxy resin during high temperatures conditions.

❖ Recommended Soldering Pattern (Units : mm;Tolerance: ± 0.15)



❖ Tape Specification (Units : mm)

