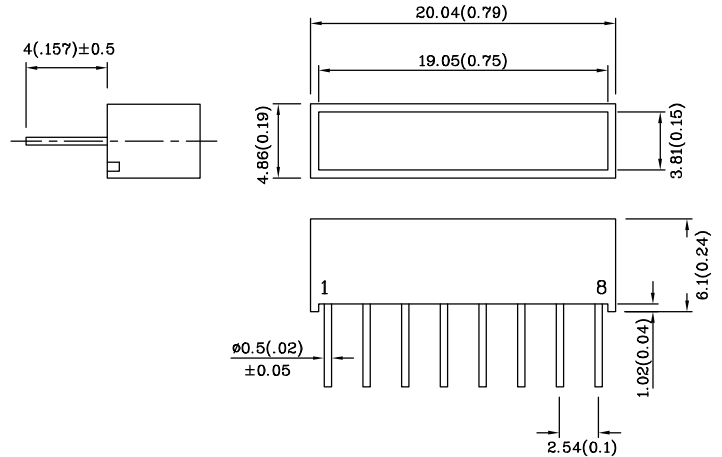
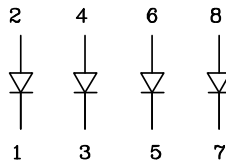


Features

- UNIFORM LIGHT EMITTING AREA.
- LOW CURRENT OPERATION.
- EASILY MOUNTED ON P.C. BOARDS.
- FLUSH MOUNTABLE.
- CAN BE USED WITH PANELS AND LEGEND MOUNTS.
- EXCELLENT ON/OFF CONTRAST.
- RoHS COMPLIANT.



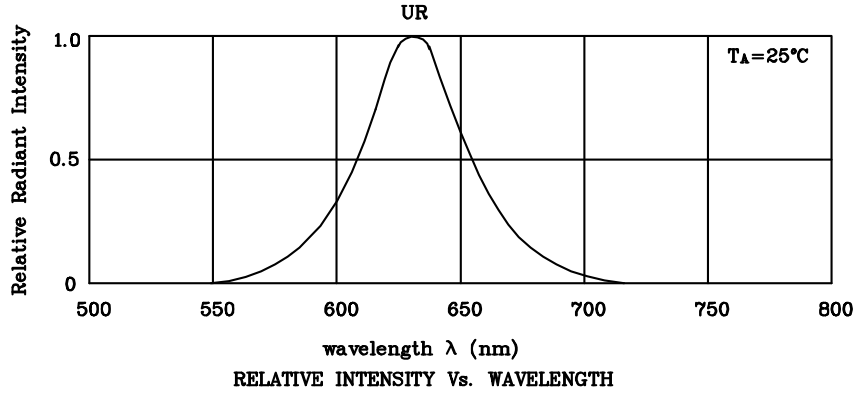
Notes:

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

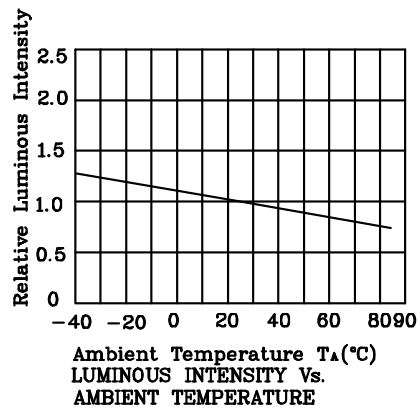
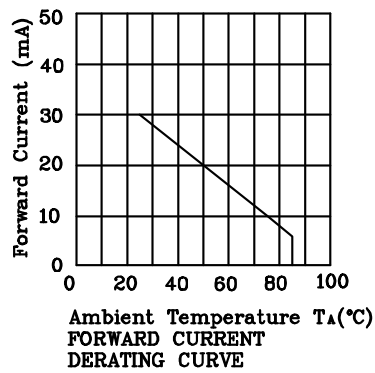
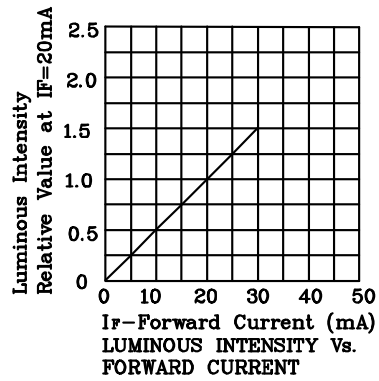
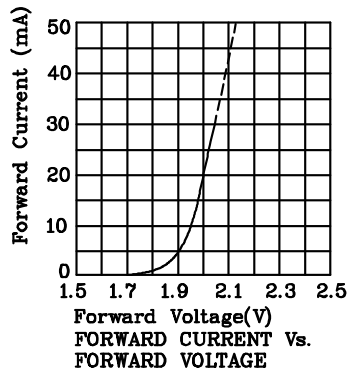
| Absolute Maximum Ratings (TA=25°C) | | UR (GaAsP/GaP) | Unit |
|--|---------------------|-------------------|------|
| Reverse Voltage | VR | 5 | V |
| Forward Current | IF | 30 | mA |
| Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width | iFS | 160 | mA |
| Power Dissipation | PT | 105 | mW |
| Operating Temperature | TA | -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.) (IF=20mA) | VF | 2 | V |
| Forward Voltage (Max.) (IF=20mA) | VF | 2.5 | V |
| Reverse Current (VR=5V) | IR | 10 | uA |
| Wavelength of Peak Emission (IF=20mA) | λ P | 627 | nm |
| Wavelength of Dominant Emission (IF=20mA) | λ D | 625 | nm |
| Spectral Line Full Width At Half- Maximum (IF=20mA) | Δλ | 45 | nm |
| Capacitance (VF=0V, f=1MHz) | C | 15 | pF |

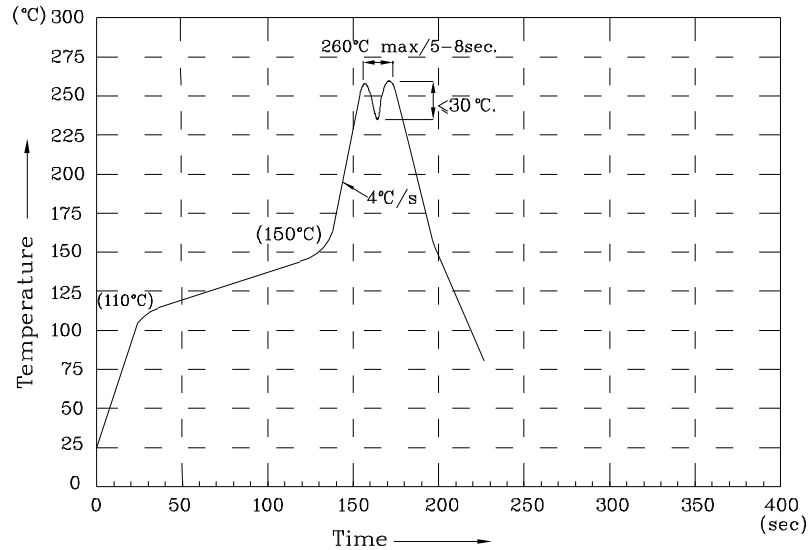
| Part Number | Emitting Color | Emitting Material | Lens-color | Luminous Intensity (IF=20mA) mcd | | Wavelength nm λ P |
|-------------|----------------|-------------------|----------------|--|------|-------------------------|
| | | | | min. | typ. | |
| XEUR2350M | Red | GaAsP/GaP | White Diffused | 10 | 49 | 627 |



❖ UR



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 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.