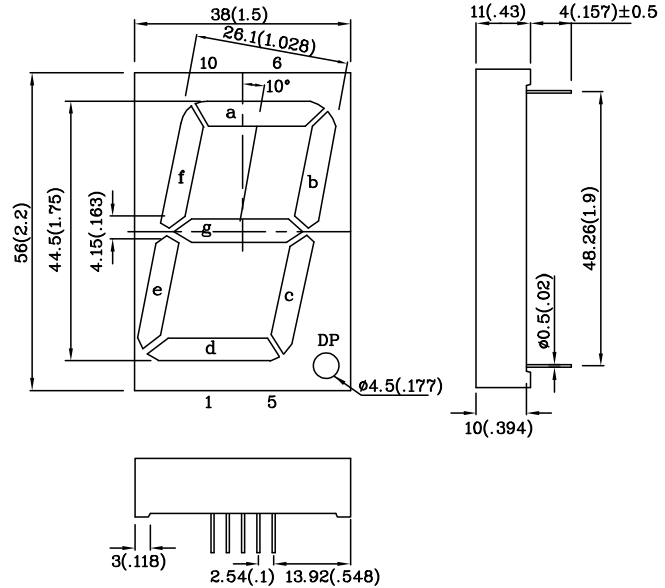
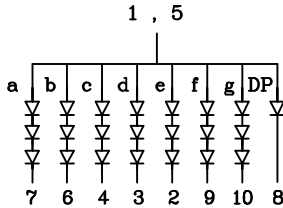


**Features**

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



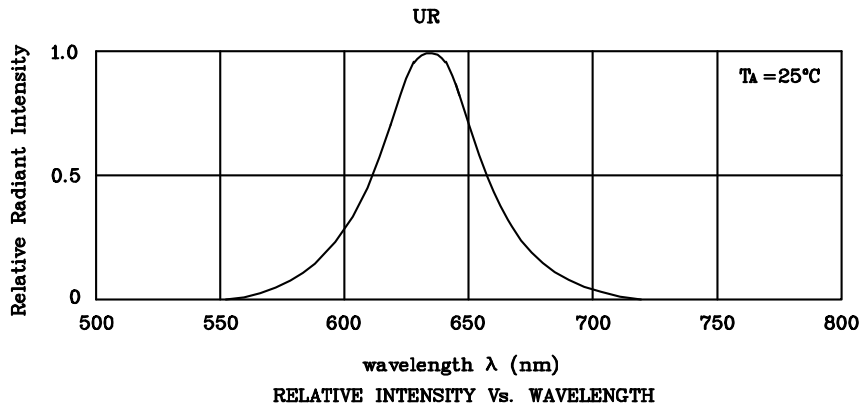
Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01")$  unless otherwise noted.
3. Specifications are subject to change without notice.

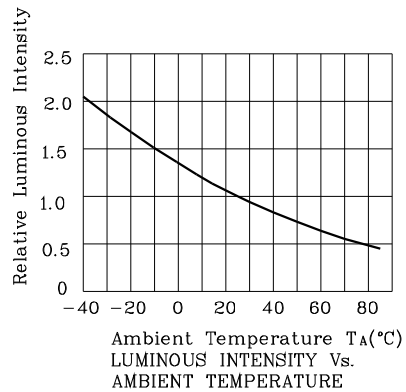
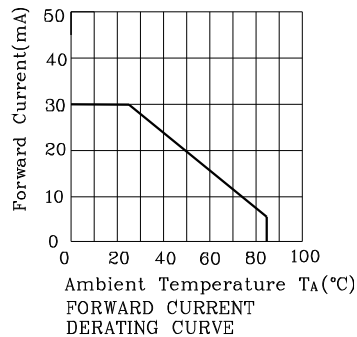
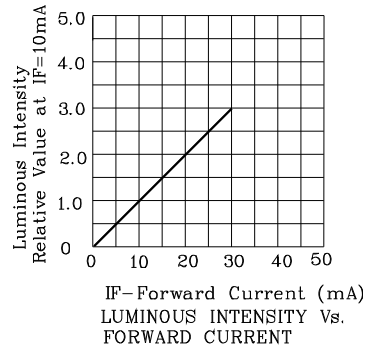
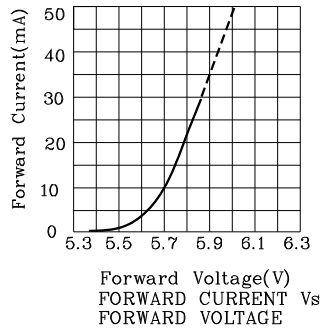
| Absolute Maximum Ratings<br>(TA=25°C)   |                        | UR<br>(GaAsP/<br>GaP) | Unit |
|---|------------------------|-----------------------|------|
| Reverse Voltage<br>Per Segment Or (Dp)  | V <sub>R</sub>         | 15(5)                 | V    |
| Forward Current<br>Per Segment Or (Dp)  | I <sub>F</sub>         | 30                    | mA   |
| Forward Current (Peak)<br>1/10 Duty Cycle<br>0.1ms Pulse Width<br>Per Segment Or (Dp) | i <sub>FS</sub>        | 160                   | mA   |
| Power Dissipation<br>Per Segment Or (Dp)  | P <sub>T</sub>         | 225(75)               | mW   |
| Operating Temperature   | T <sub>A</sub>         | -40 ~ +85             | °C   |
| Storage Temperature   | T <sub>stg</sub>       | -40 ~ +85             |      |
| Lead Solder Temperature<br>[2mm Below Package Base]                                   | 260°C For 3 -5 Seconds |                       |      |

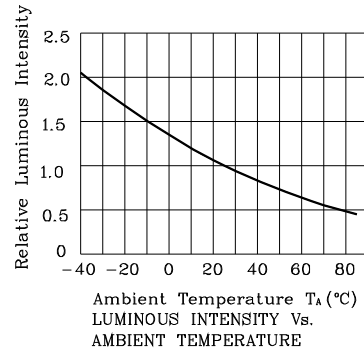
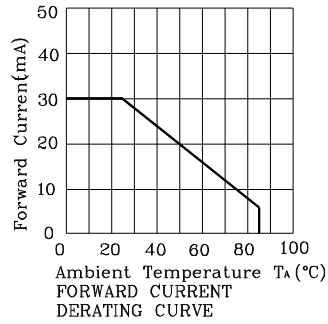
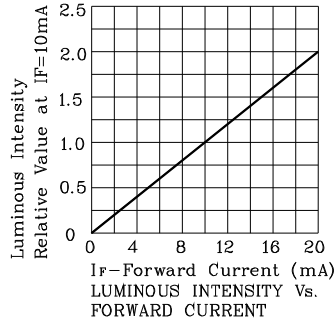
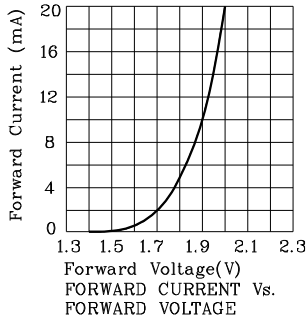
| Operating Characteristics<br>(TA=25°C)                                       | UR<br>(GaAsP/<br>GaP) | Unit       |
|--|-----------------------|------------|
| Forward Voltage (Typ.)<br>(I <sub>F</sub> =10mA)<br>Per Segment Or (Dp)      | V <sub>F</sub>        | 5.7(1.9) V |
| Forward Voltage (Max.)<br>(I <sub>F</sub> =10mA)<br>Per Segment Or (Dp)      | V <sub>F</sub>        | 7.5(2.5) V |
| Reverse Current (Max.)<br>(V <sub>R</sub> =15V(5V))<br>Per Segment Or (Dp)   | I <sub>R</sub>        | 10 $\mu$ A |
| Wavelength Of Peak<br>Emission (Typ.)<br>(I <sub>F</sub> =10mA)              | $\lambda$ P           | 627 nm     |
| Wavelength Of Dominant<br>Emission (Typ.)<br>(I <sub>F</sub> =10mA)          | $\lambda$ D           | 625 nm     |
| Spectral Line Full Width<br>At Half-Maximum (Typ.)<br>(I <sub>F</sub> =10mA) | $\Delta\lambda$       | 45 nm      |
| Capacitance (Typ.)<br>(V <sub>F</sub> =0V, f=1MHz)                           | C                     | 15 pF      |

| Part Number | Emitting Color | Emitting Material | Luminous Intensity (I <sub>F</sub> =10mA)<br>ucd |       | Wavelength<br>nm<br>$\lambda$ P | Description                    |
|-------------|----------------|-------------------|--|-------|---------------------------------|--------------------------------|
|             |                |                   | min.   | typ.  |                                 |                                |
| DUR46A      | Red            | GaAsP/GaP         | 4700   | 23990 | 627                             | Common Anode, Rt. Hand Decimal |

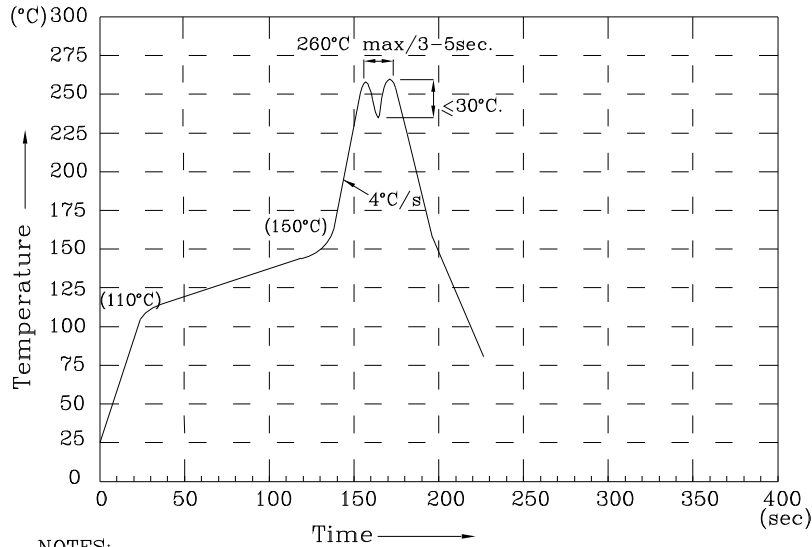


❖ **UR**





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:

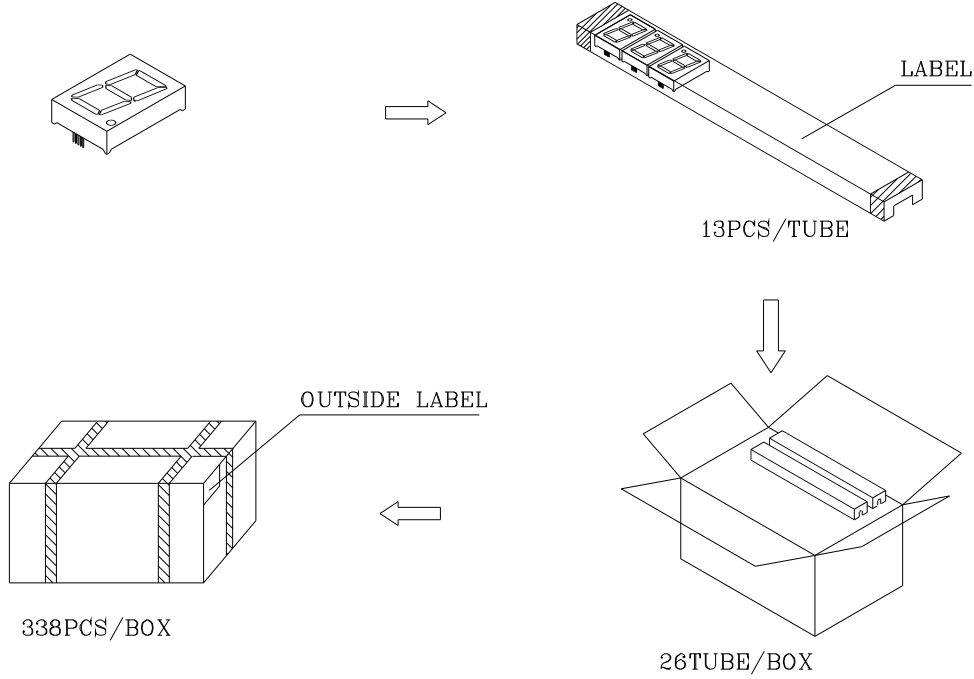
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

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

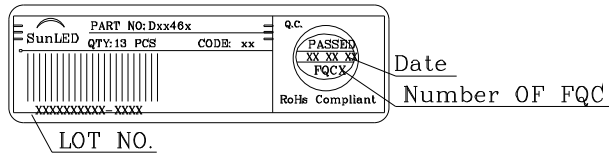
Note: Accuracy may depend on the sorting parameters.

**PACKING & LABEL SPECIFICATIONS**

**DUR46A**



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

