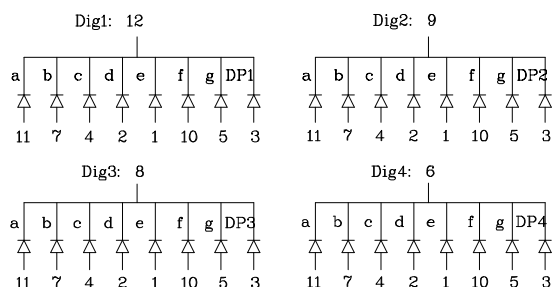
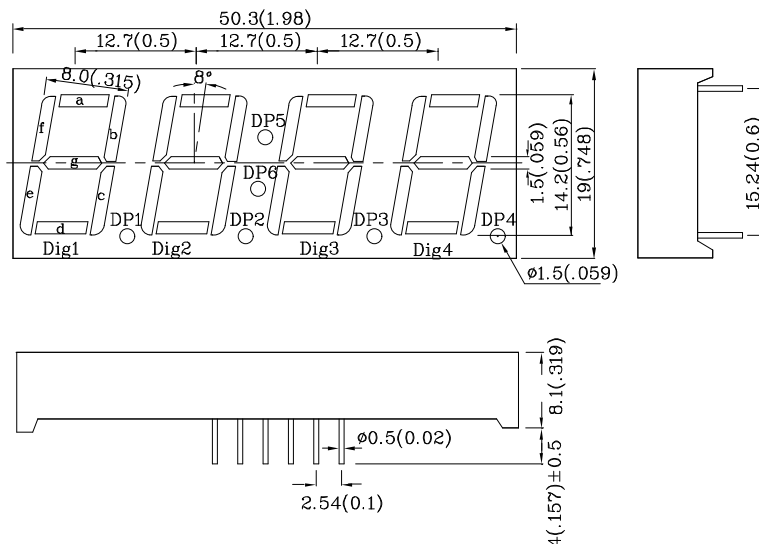


## Features

- 0.56 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.



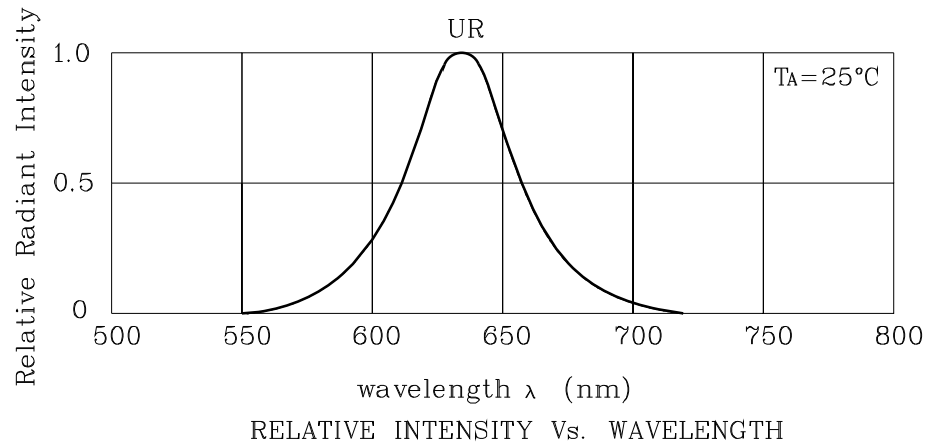
Notes:

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

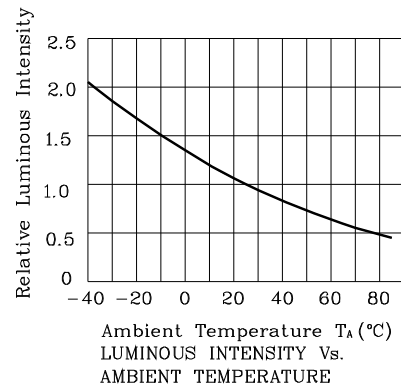
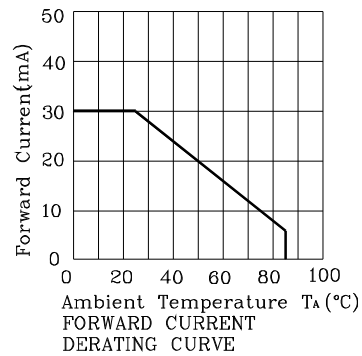
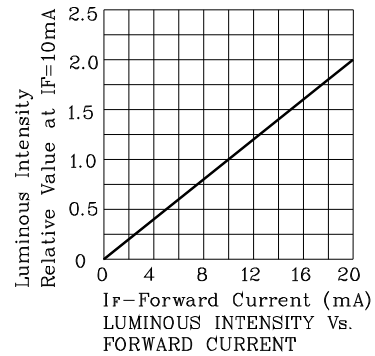
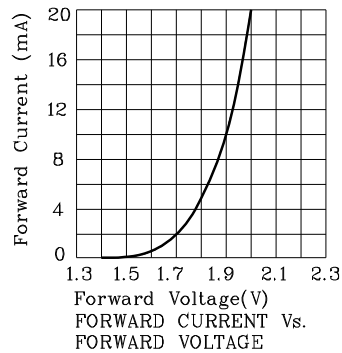
| Absolute Maximum Ratings<br>(TA=25°C)                          |                       | UR<br>(GaAsP/GaP) | Unit |
|----------------------------------------------------------------|-----------------------|-------------------|------|
| Reverse Voltage                                                | VR                    | 5                 | V    |
| Forward Current                                                | IF                    | 30                | mA   |
| Forward Current (Peak)<br>1/10 Duty Cycle<br>0.1ms Pulse Width | iFS                   | 160               | mA   |
| Power Dissipation                                              | PT                    | 75                | mW   |
| Operating Temperature                                          | TA                    | -40 ~ +85         | °C   |
| Storage Temperature                                            | Tstg                  | -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/GaP) | Unit |
|-----------------------------------------------------------------|-----------------|-------------------|------|
| Forward Voltage (Typ.)<br>(IF=10mA)                             | VF              | 1.9               | V    |
| Forward Voltage (Max.)<br>(IF=10mA)                             | VF              | 2.5               | V    |
| Reverse Current (Max.)<br>(VR=5V)                               | IR              | 10                | uA   |
| Wavelength of Peak<br>Emission (Typ.)<br>(IF=10mA)              | $\lambda$ P     | 627               | nm   |
| Wavelength of Dominant<br>Emission (Typ.)<br>(IF=10mA)          | $\lambda$ D     | 625               | nm   |
| Spectral Line Full Width At<br>Half-Maximum (Typ.)<br>(IF=10mA) | $\Delta\lambda$ | 45                | nm   |
| Capacitance (Typ.)<br>(VF=0V, f=1MHz)                           | C               | 15                | pF   |

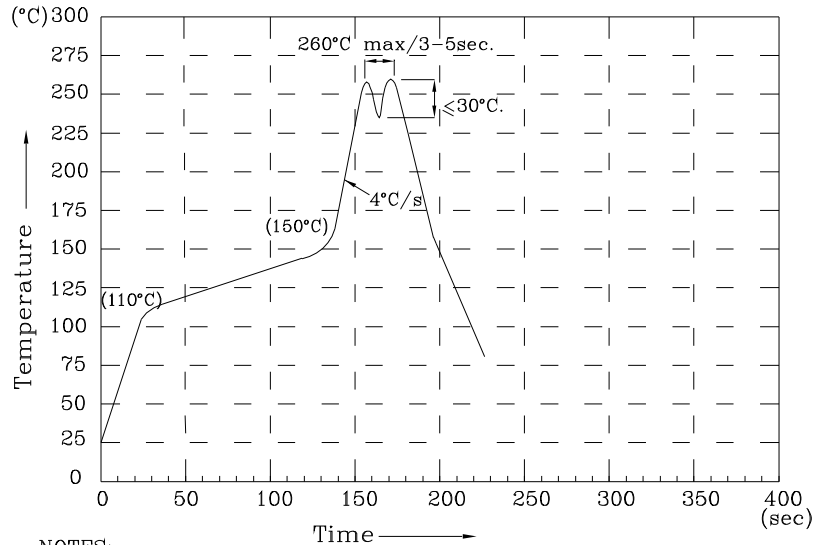
| Part Number                   | Emitting Color | Emitting Material     | Luminous Intensity (IF=10mA)<br>ucd | Wavelength<br>nm<br>λ P | Description                          |
|-------------------------------|----------------|-----------------------|-------------------------------------|-------------------------|--------------------------------------|
|                               |                |                       | min.                                | typ.                    |                                      |
| DUR14C4-A                     | Red            | GaAsP/GaP             | 1900                                | 7990                    | 627 Common Cathode, Rt. Hand Decimal |
|                               |                |                       |                                     |                         |                                      |
| Published Date : MAR 05, 2008 |                | Drawing No : SDSA2306 |                                     | V3                      | Checked : Shin Chi P.1/4             |



❖ UR



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



NOTES:

1. Recommend the wave temperature  $245^{\circ}\text{C} \sim 260^{\circ}\text{C}$ . The maximum soldering temperature should be less than  $260^{\circ}\text{C}$ .
2. Do not apply stress on epoxy resins when temperature is over  $85^{\circ}\text{C}$ .
3. The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
4. No more than once.

Remarks:

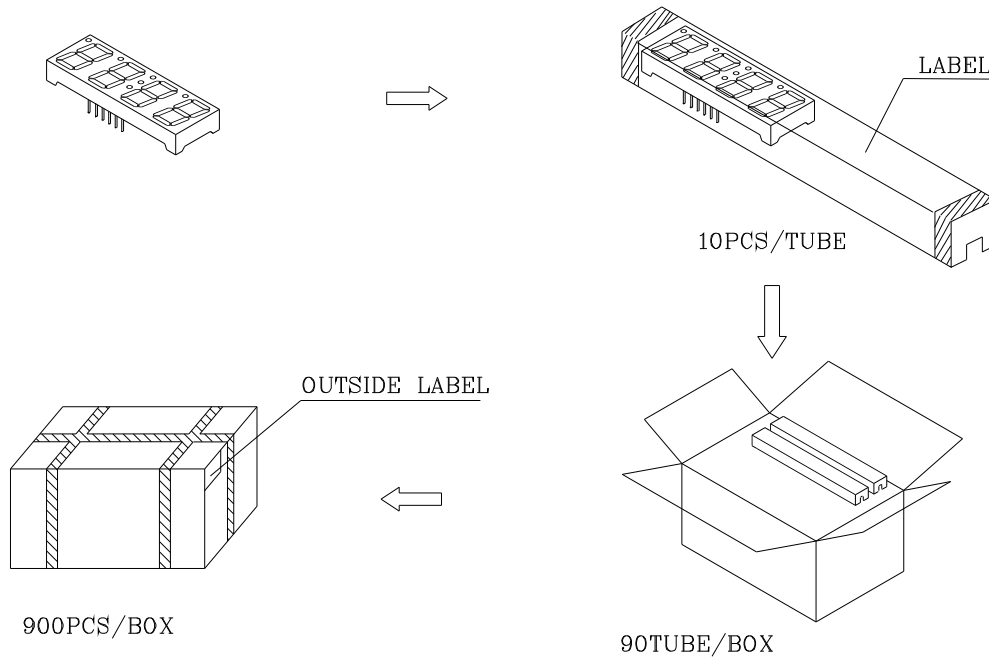
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength:  $\pm 1\text{nm}$
2. Luminous intensity / luminous flux:  $\pm 15\%$
3. Forward Voltage:  $\pm 0.1\text{V}$

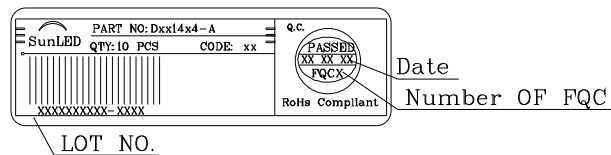
Note: Accuracy may depend on the sorting parameters.

**PACKING & LABEL SPECIFICATIONS**

**DUR14C4-A**



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

