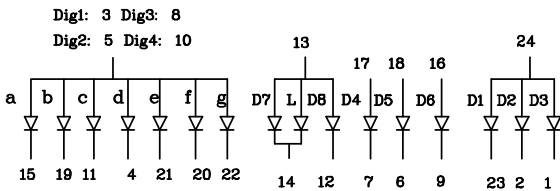
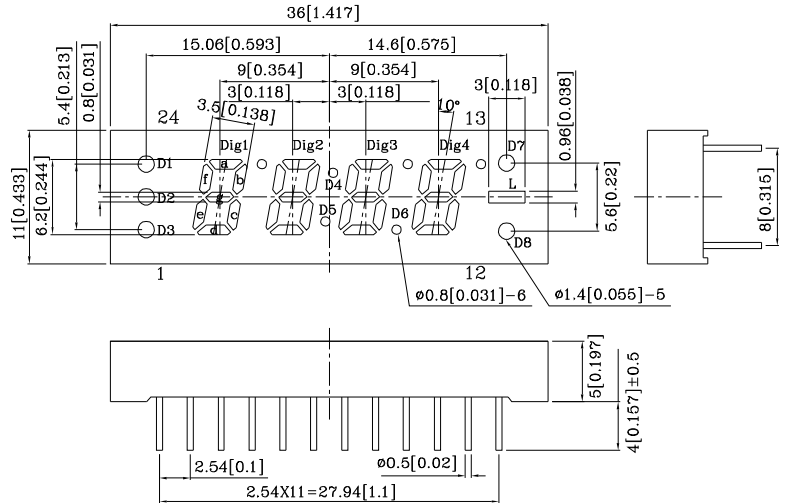


**Features**

- 0.25 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.



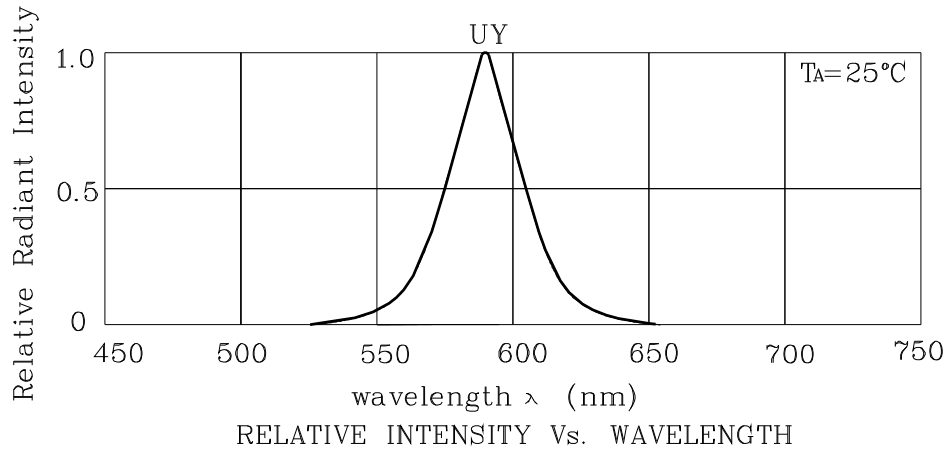
**Notes:**

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

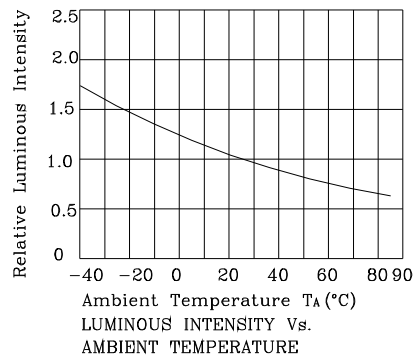
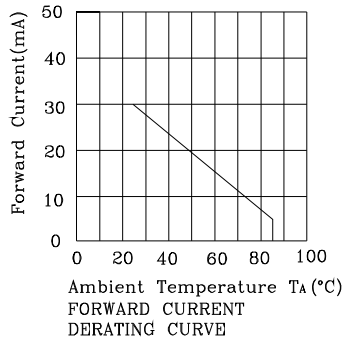
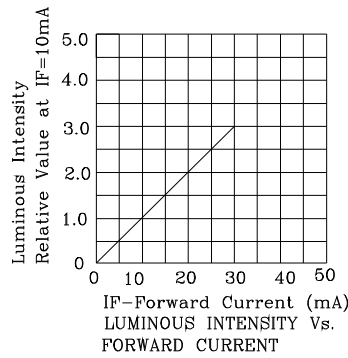
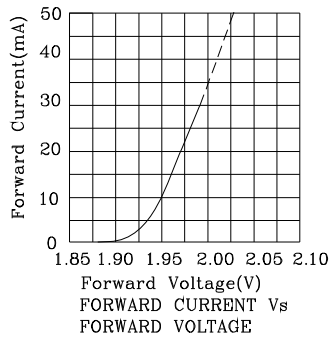
| Absolute Maximum Ratings<br>(TA=25°C)                             |  | UY<br>(GaAsP/<br>GaP) | Unit      |
|---|--|-----------------------|-----------|
| Reverse Voltage   | Dig1'8,'Dig2'8,'Dig3'8',D<br>ig4'8'<br>D1,D2,D3,D4,D5,D6,D8      | VR                    | 5         |
|   | D7,L   |                       |           |
| Forward Current   | Dig1'8,'Dig2'8,'Dig3'8',D<br>ig4'8'<br>D1,D2,D3,D4,D5,D6,D8      | IF                    | 30        |
|   | D7,L   |                       | 60        |
| Forward Current<br>(Peak)<br>1/10 Duty Cycle<br>0.1ms Pulse Width | Dig1'8,'Dig2'8,'Dig3'8',D<br>ig4'8'<br>D1,D2,D3,D4,D5,D6,D8      | iFS                   | 140       |
|   | D7,L   |                       | 280       |
| Power Dissipation   | Dig1'8,'Dig2'8,'Dig3'8',D<br>ig4'8'<br>D1,D2,D3 ,D4,D5,D6,D<br>8 | PT                    | 75        |
|   | D7,L   |                       | 150       |
| Operating Temperature   | TA   |                       | -40 ~ +85 |
| 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)                       |   | UY<br>(GaAsP/<br>GaP) | Unit |
|--|---|-----------------------|------|
| Forward Volt-<br>age (Typ.)<br>(IF=10mA)                     | Dig1'8,'Dig2'8,'Dig3'8',D<br>ig4'8'<br>D1,D2,D3,D4,D5,D6,D8 | VF                    | 1.95 |
|  | D7,L  |                       |      |
| Forward Volt-<br>age (Max.)<br>(IF=10mA)                     | Dig1'8,'Dig2'8,'Dig3'8',D<br>ig4'8'<br>D1,D2,D3,D4,D5,D6,D8 | VF                    | 2.5  |
|  | D7,L  |                       |      |
| Reverse Cur-<br>rent (Max.)<br>(VR=5V)                       | Dig1'8,'Dig2'8,'Dig3'8',D<br>ig4'8'<br>D1,D2,D3,D4,D5,D6,D8 | IR                    | 10   |
|  | D7,L  |                       | 20   |
| Wavelength of Peak (Typ.)<br>Emission (IF=10mA)              | λ P   |                       | 590  |
| Wavelength of Dominant Emission<br>(Typ.) (IF=10mA)          | λ D   |                       | 588  |
| Spectral Line Full Width (Typ.)<br>At Half-Maximum (IF=10mA) | Δλ  |                       | 35   |
| Capacitance (Typ.)<br>(VF=0V, f=1MHz)                        | C   |                       | 20   |

| Part Number | Emitting Color | Emitting Material | Luminous Intensity (IF=10mA)<br>ucd |      | Wavelength<br>nm<br>$\lambda$ P | Description  |
|-------------|----------------|-------------------|-------------------------------------|------|---------------------------------|--------------|
|             |                |                   | min.                                | typ. |                                 |              |
| DUY06A4-A   | Yellow         | GaAsP/GaP         | 1200                                | 4840 | 590                             | Common Anode |

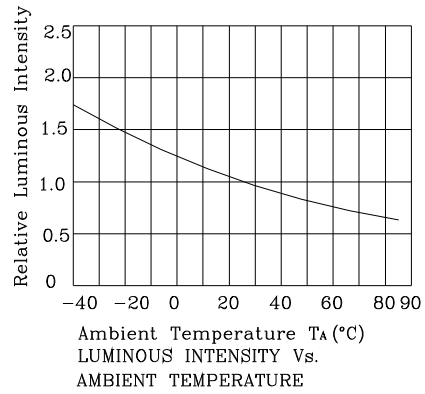
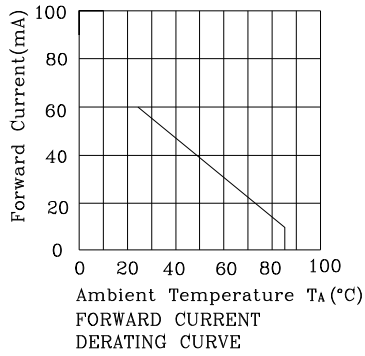
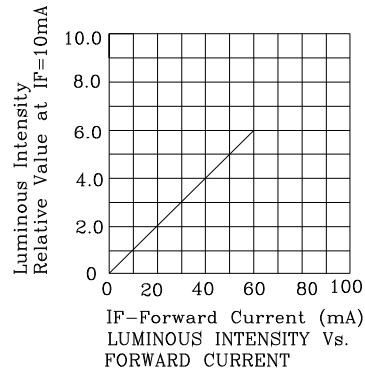
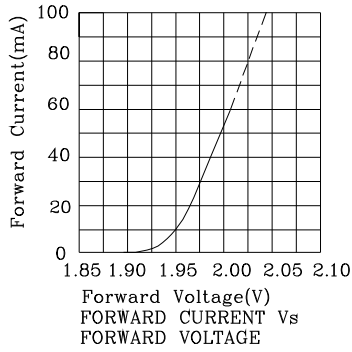


❖ UY

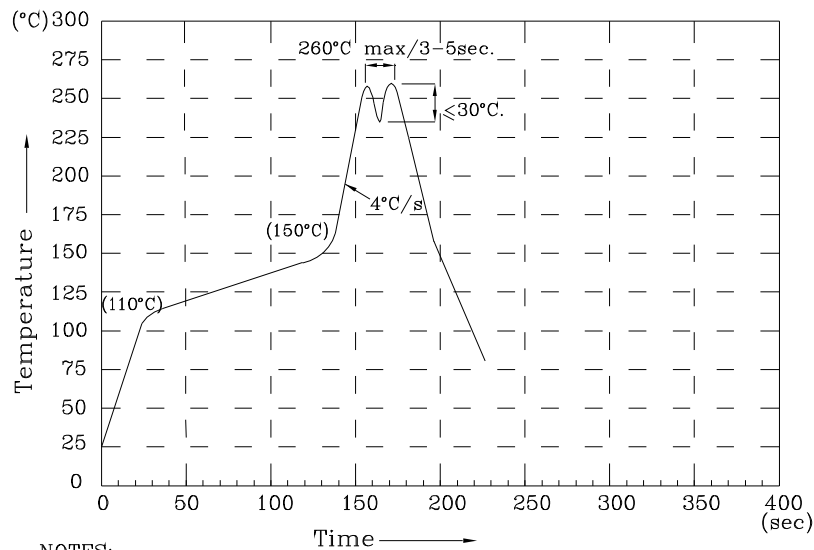




❖ UY



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:

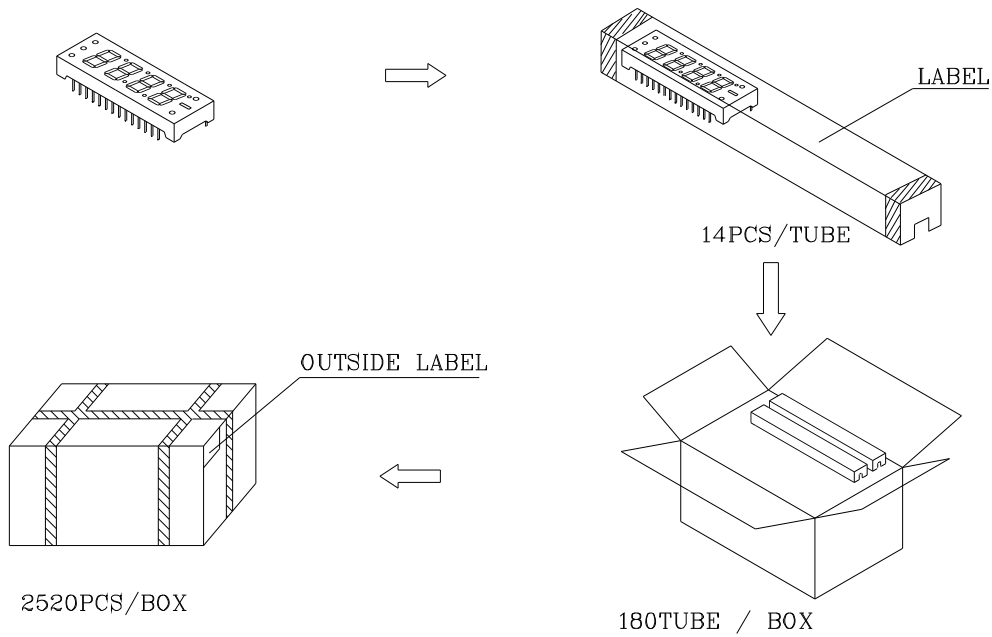
If special sorting is required (e.g. binning based on forward voltage, luminous intensity/ luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

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

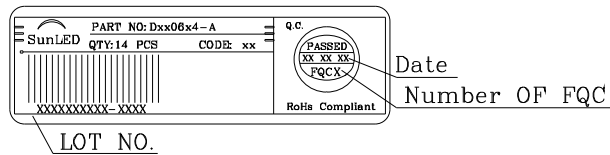
Note: Accuracy may depend on the sorting parameters.

**PACKING & LABEL SPECIFICATIONS**

**DUY06A4-A**



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

