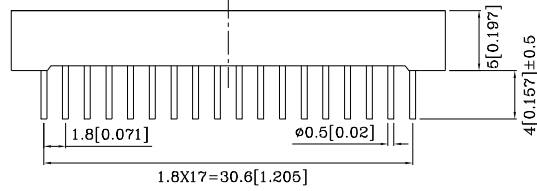
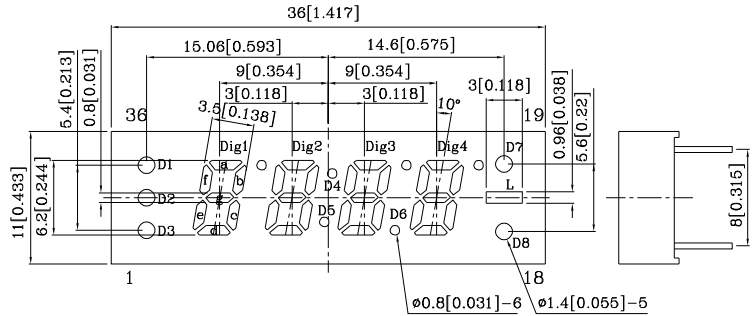
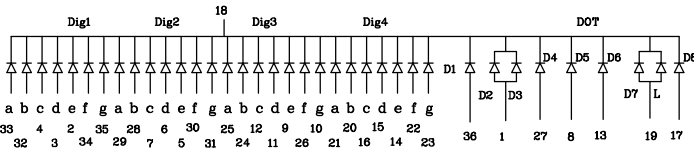


**Features**

- 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.



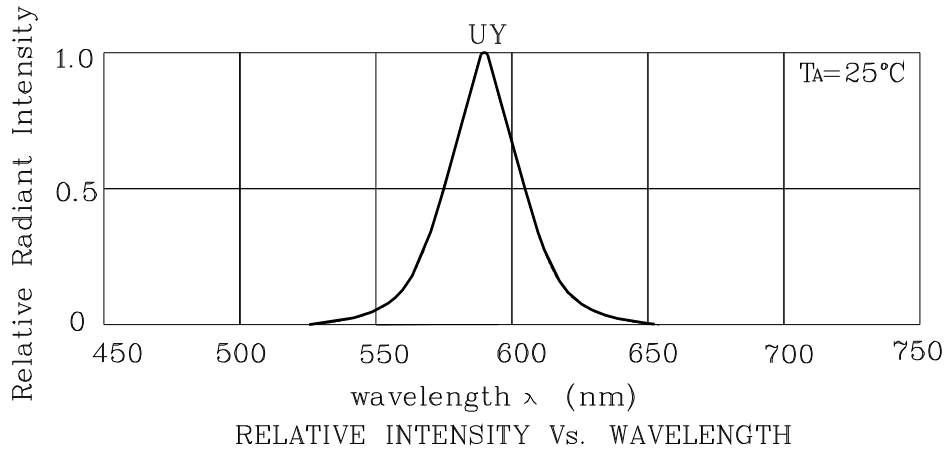
Notes:

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

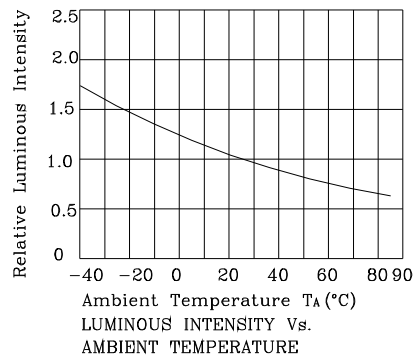
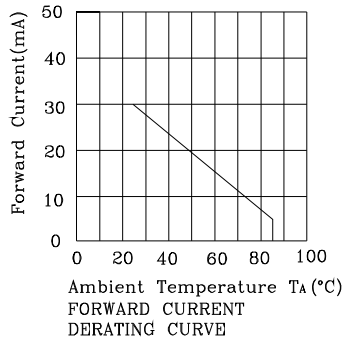
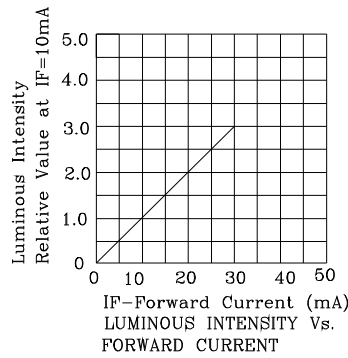
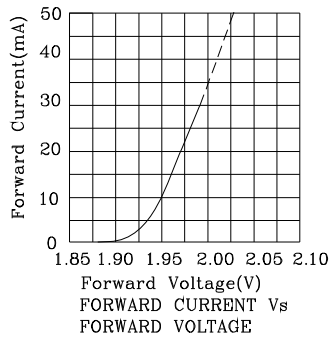
| Absolute Maximum Ratings<br>(TA=25°C)                          |  | UY<br>(GaAsP/<br>GaP) | Unit      |
|--|--|-----------------------|-----------|
| Reverse Voltage  | Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D4,D5,D6,D8 | VR                    | 5         |
|  | D2,D3,D7,L                                     |                       |           |
| Forward Current  | Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D4,D5,D6,D8 | IF                    | 30        |
|  | D2,D3,D7,L                                     |                       |           |
| Forward Current (Peak)<br>1/10 Duty Cycle<br>0.1ms Pulse Width | Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D4,D5,D6,D8 | iFS                   | 140       |
|  | D2,D3,D7,L                                     |                       |           |
| Power Dissipation  | Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D4,D5,D6,D8 | PT                    | 75        |
|  | D2,D3 ,D7,L                                    |                       |           |
| 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 Voltage (Typ.)<br>(IF=10mA)                          | Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D4,D5,D6,D8 | VF                    | 1.95 |
|  | D2,D3,D7,L                                     |                       |      |
| Forward Voltage (Max.)<br>(IF=10mA)                          | Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D4,D5,D6,D8 | VF                    | 2.5  |
|  | D2,D3,D7,L                                     |                       |      |
| Reverse Current (Max.)<br>(VR=5V)                            | Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D4,D5,D6,D8 | IR                    | 10   |
|  | D2,D3,D7,L                                     |                       |      |
| Wavelength of Peak (Typ.)<br>Emission (IF=10mA)              | $\lambda P$                                    |                       | 590  |
| Wavelength of Dominant Emission<br>(Typ.) (IF=10mA)          | $\lambda D$                                    |                       | 588  |
| Spectral Line Full Width (Typ.)<br>At Half-Maximum (IF=10mA) | $\Delta\lambda$                                |                       | 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. |                                 |                |
| DUY06C4     | Yellow         | GaAsP/GaP         | 1200                                | 4840 | 590                             | Common Cathode |

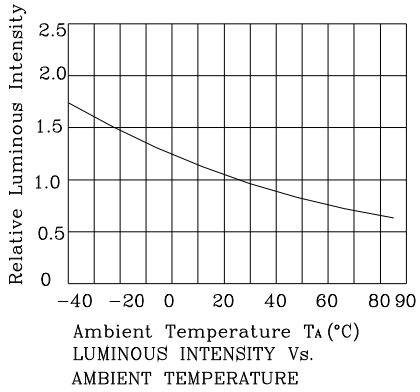
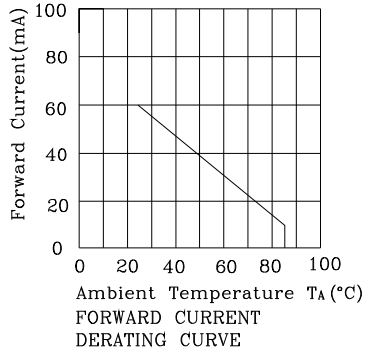
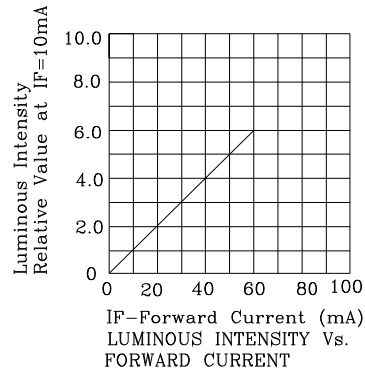
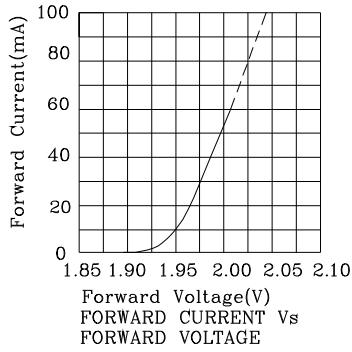


❖ UY

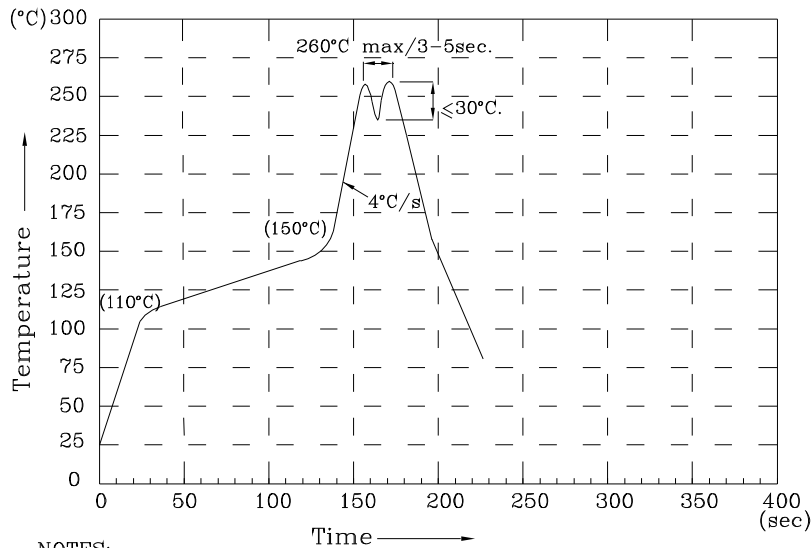




❖ UY



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:

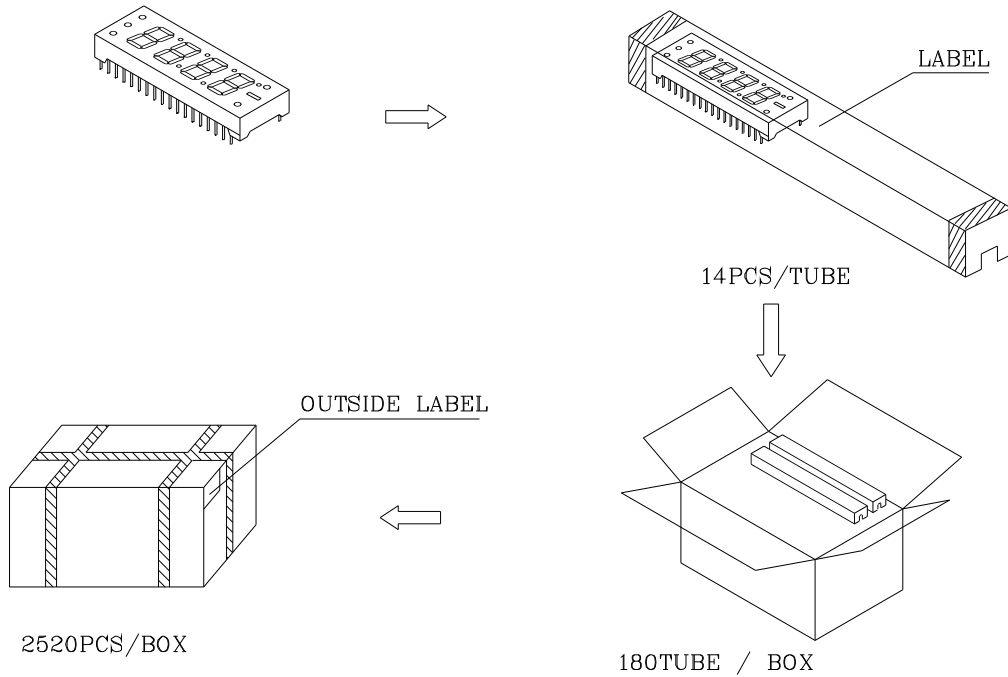
If special sorting is required (e.g. binning based on forward voltage, luminous intensity/ luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

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

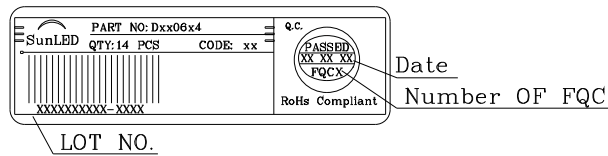
Note: Accuracy may depend on the sorting parameters.

**PACKING & LABEL SPECIFICATIONS**

**DUY06C4**



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

