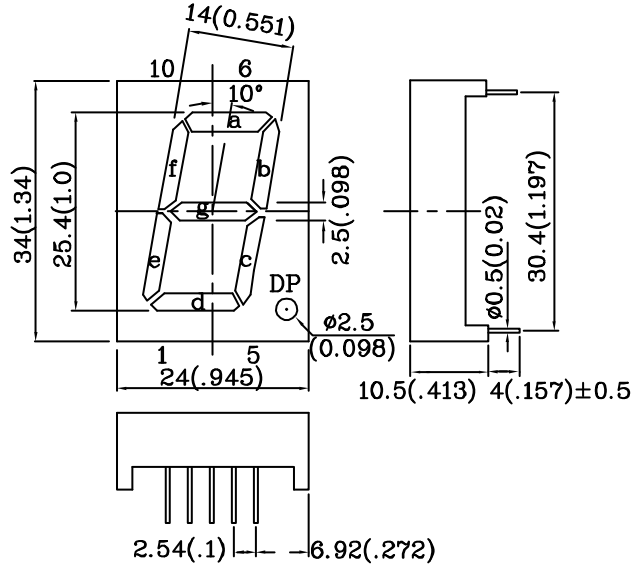
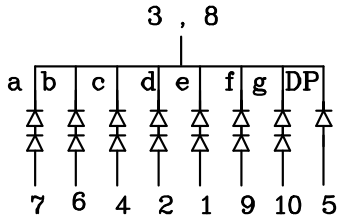


Features

- 1.0 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- HIGH LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



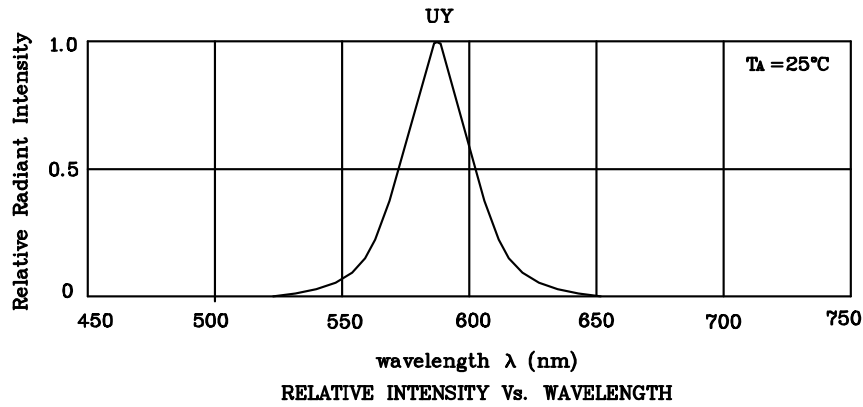
Notes:

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.

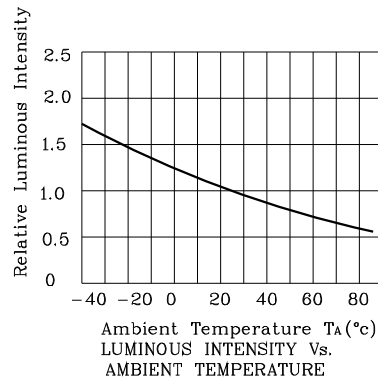
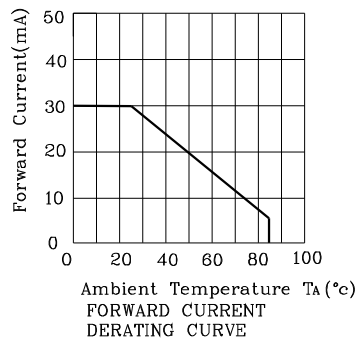
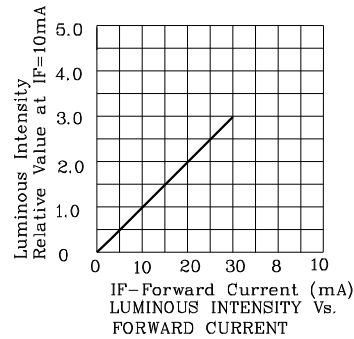
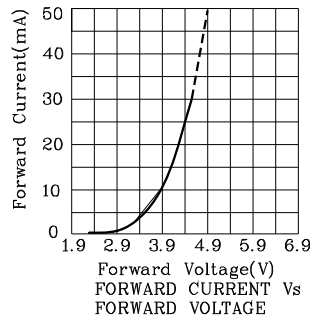
| Absolute Maximum Ratings (TA=25°C) | | UY (GaAsP/GaP) | Unit |
|---|-----------------------|-------------------|------|
| Reverse Voltage Per Segment or (DP) | V _R | 10(5) | V |
| Forward Current Per Segment or (DP) | I _F | 30(30) | mA |
| Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width Per Segment or (DP) | i _{FS} | 140(140) | mA |
| Power Dissipation Per Segment or (DP) | P _T | 150(75) | mW |
| Operating Temperature | T _A | -40 ~ +85 | °C |
| Storage Temperature | T _{stg} | -40 ~ +85 | |
| Lead Solder Temperature [2mm Below Package Base] | 260°C For 3~5 Seconds | | |

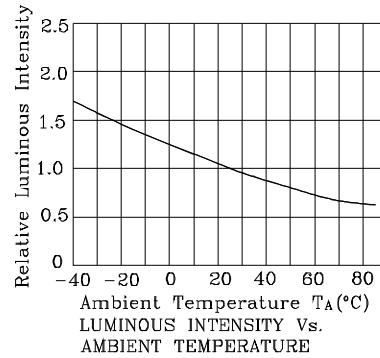
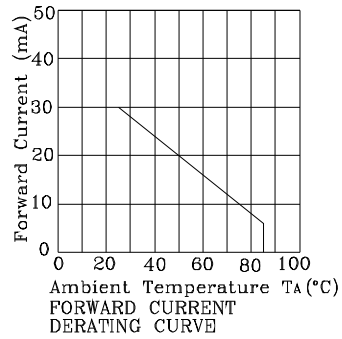
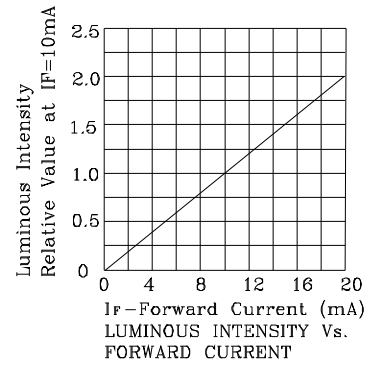
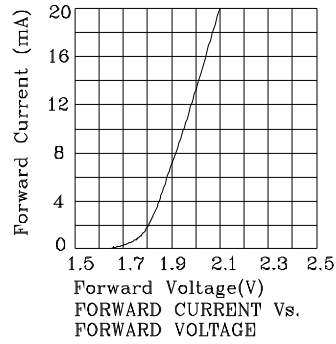
| Operating Characteristics (TA=25°C) | | UY (GaAsP/GaP) | Unit |
|---|----------------|-------------------|------|
| Forward Voltage (Typ.) Per Segment Or (DP) (IF=10mA) | V _F | 3.9(1.95) | V |
| Forward Voltage (Max.) Per Segment Or (DP) (IF=10mA) | V _F | 5.0(2.5) | V |
| Reverse Current (Max.) Per Segment Or (DP) (VR=10(5)V) | I _R | 10 (10) | uA |
| Wavelength Of Peak Emission (Typ.) (IF=10mA) | λ _P | 590 | nm |
| Wavelength Of Dominant Emission (Typ.) (IF=10mA) | λ _D | 588 | nm |
| Spectral Line Full Width At Half-Maximum (Typ.) (IF=10mA) | Δλ | 35 | nm |
| Capacitance (Typ.) (VF=0V, f=1MHz) | C | 20 | pF |

| Part Number | Emitting Color | Emitting Material | Luminous Intensity (IF=10mA) ucd | | Wavelength nm λ P | Description |
|-------------|----------------|-------------------|-------------------------------------|-------|---------------------------------|----------------------------------|
| | | | min. | typ. | | |
| DUY25C | Yellow | GaAsP/GaP | 3000 | 15990 | 590 | Common Cathode, Rt. Hand Decimal |

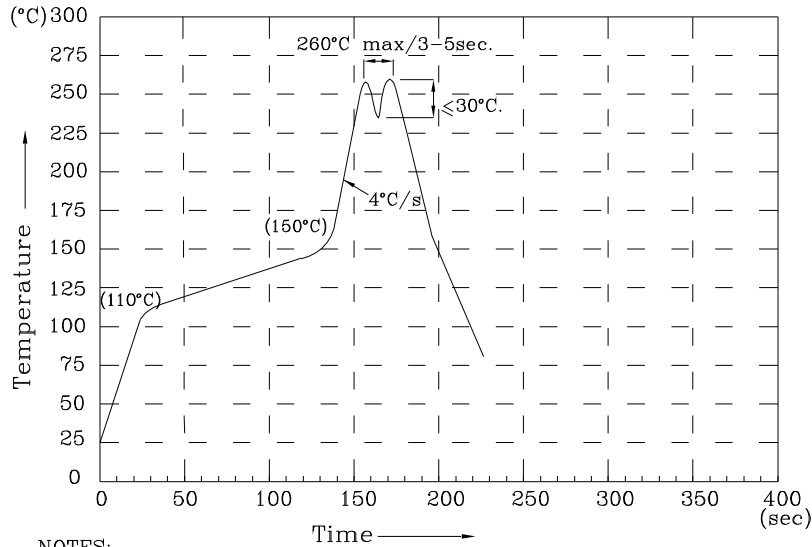


❖ UY





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:

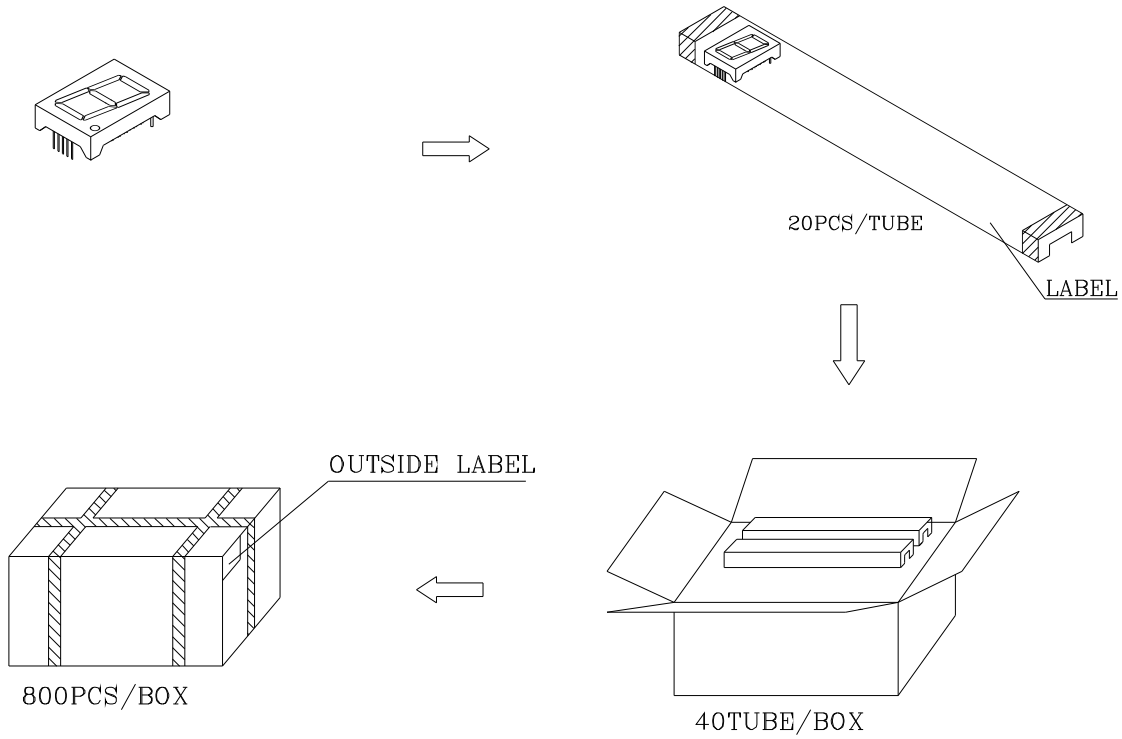
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

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

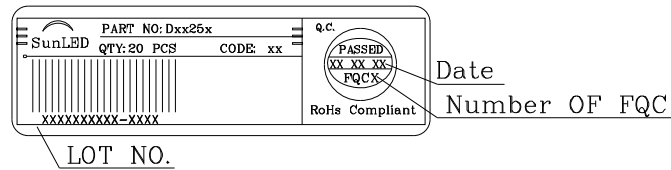
Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

DUY25C



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

