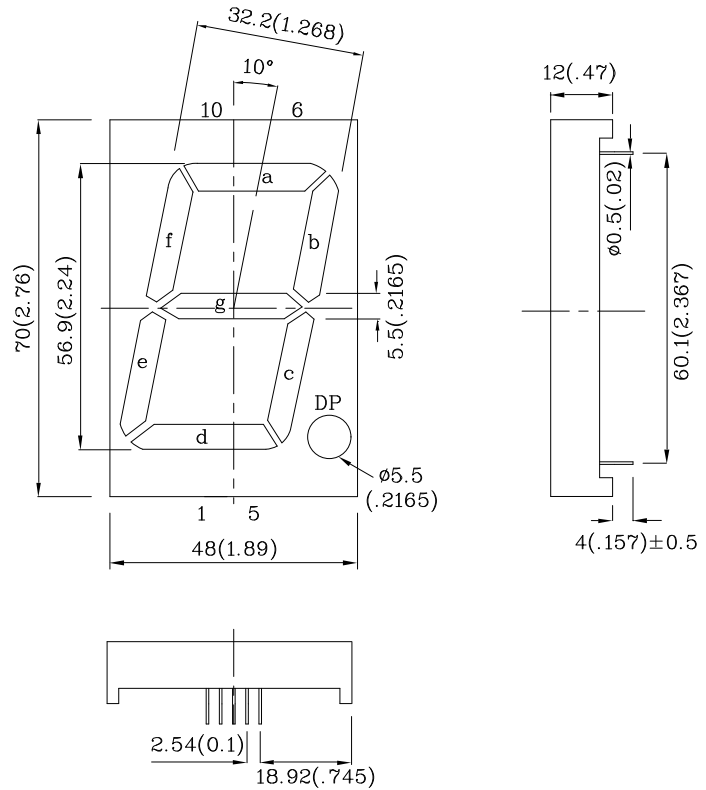
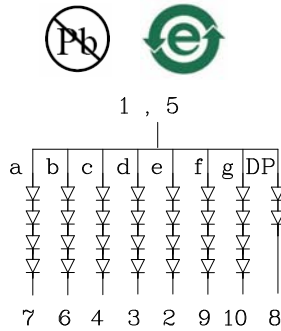


Features

- 2.3 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- HIGH LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- MULTICOLOR AVAILABLE.
- MECHANICALLY RUGGED.
- GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



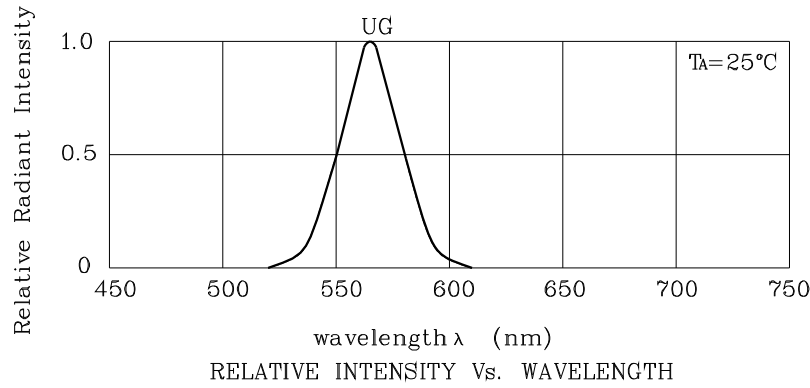
Notes:

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.

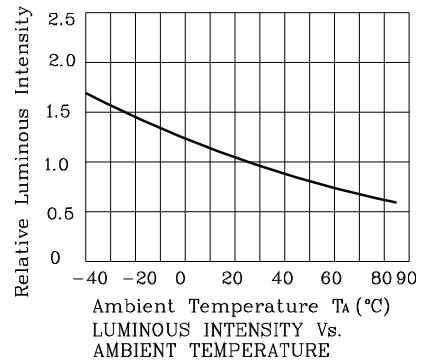
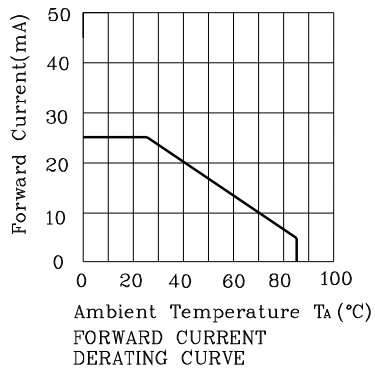
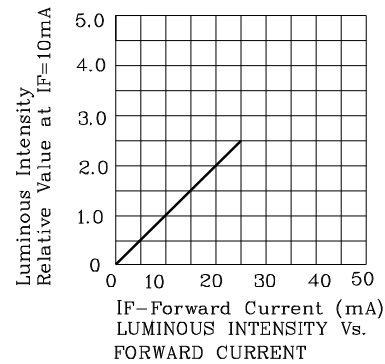
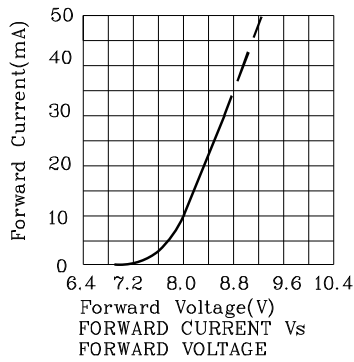
| Absolute Maximum Ratings (TA=25°C) | | UG (GaP) | Unit |
|---|-----------------------|--------------|------|
| Reverse Voltage Per Segment or (DP) | V _R | 20 (10) | V |
| Forward Current Per Segment or (DP) | I _F | 25 (25) | mA |
| Forward Current (Peak) Per Segment or (DP) 1/10 Duty Cycle 0.1ms Pulse Width | i _{FS} | 140 (140) | mA |
| Power Dissipation Per Segment or (DP) | P _T | 250 (125) | 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 | | |

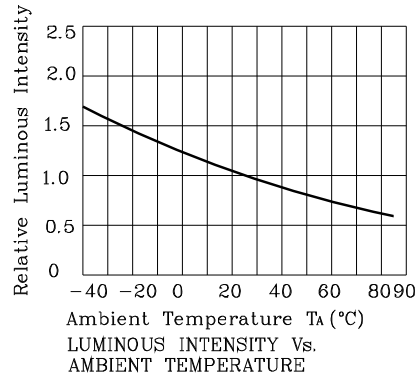
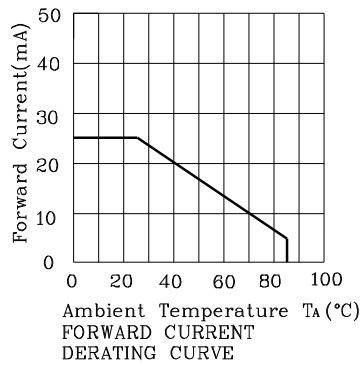
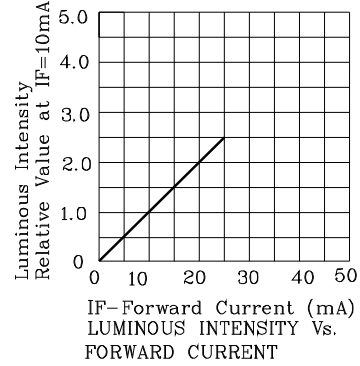
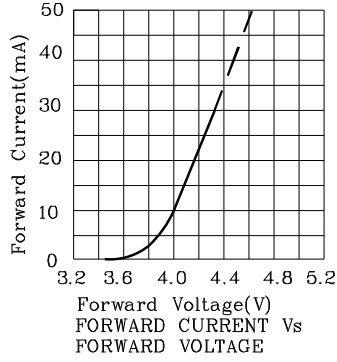
| Operating Characteristics (TA=25°C) | | UG (GaP) | Unit |
|---|----------------|---------------|------|
| Forward Voltage (Typ.) Per Segment or (DP) (I _F =10mA) | V _F | 8.0 (4.0) | V |
| Forward Voltage (Max.) Per Segment or (DP) (I _F =10mA) | V _F | 10.0 (5.0) | V |
| Reverse Current Per Segment or (DP) (V _R =20(10)V) | I _R | 10 | uA |
| Wavelength of Peak Emission (Typ.) (I _F =10mA) | λ _P | 565 | nm |
| Wavelength of Dominant Emission (Typ.) (I _F =10mA) | λ _D | 568 | nm |
| Spectral Line Full Width At Half-Maximum (Typ.) (I _F =10mA) | Δλ | 30 | nm |
| Capacitance (Typ.) (V _F =0V, f=1MHz) | C | 15 | pF |

| Part Number | Emitting Color | Emitting Material | Luminous Intensity (I _F =10mA) | | Wavelength nm λ _P | Description |
|-------------|----------------|-------------------|---|-------|------------------------------|--------------------------------|
| | | | min. | typ. | | |
| DUG57A-A | Green | GaP | 12000 | 52990 | 565 | Common Anode. Rt. Hand Decimal |

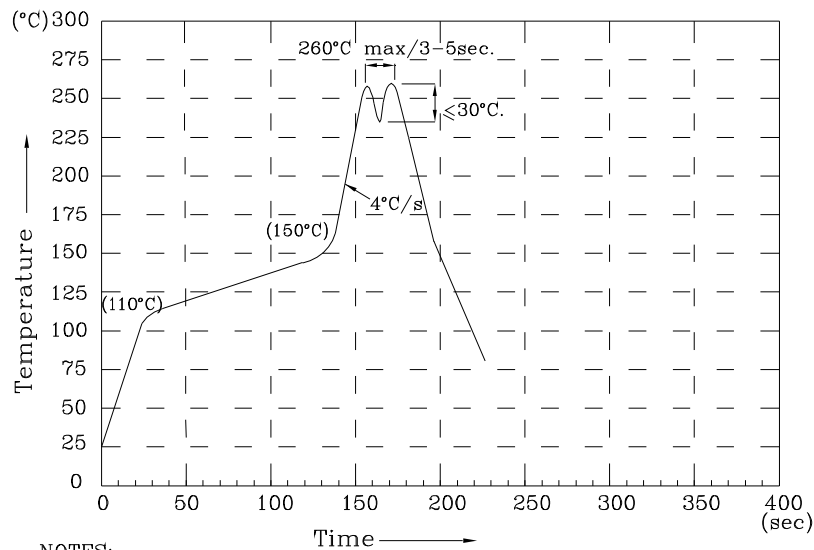


❖ UG





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:

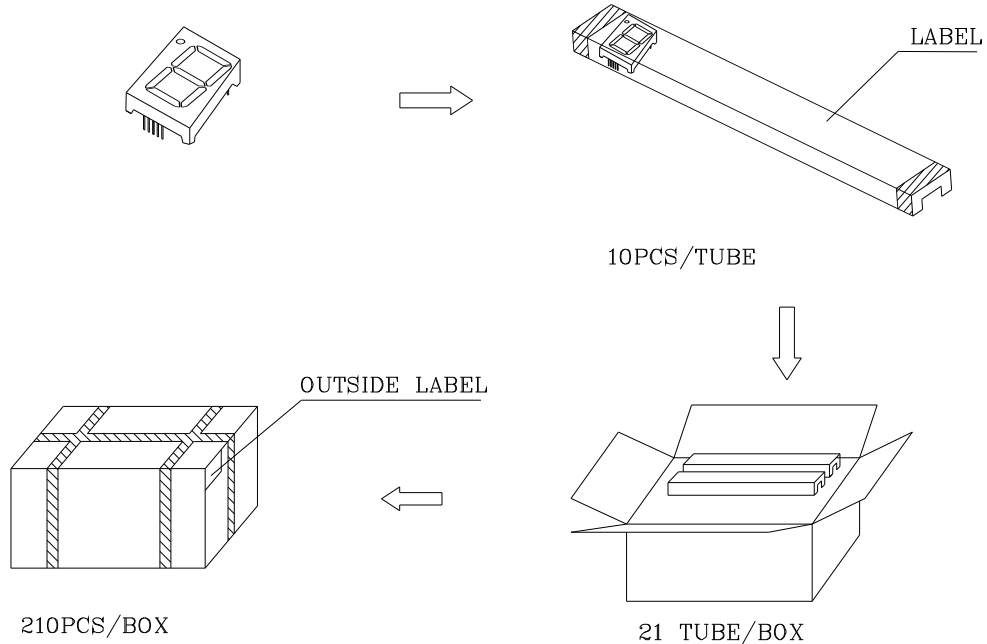
If special sorting is required (e.g. binning based on forward voltage, luminous intensity/ luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

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

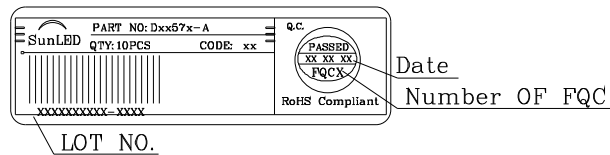
Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

DUG57A-A



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

