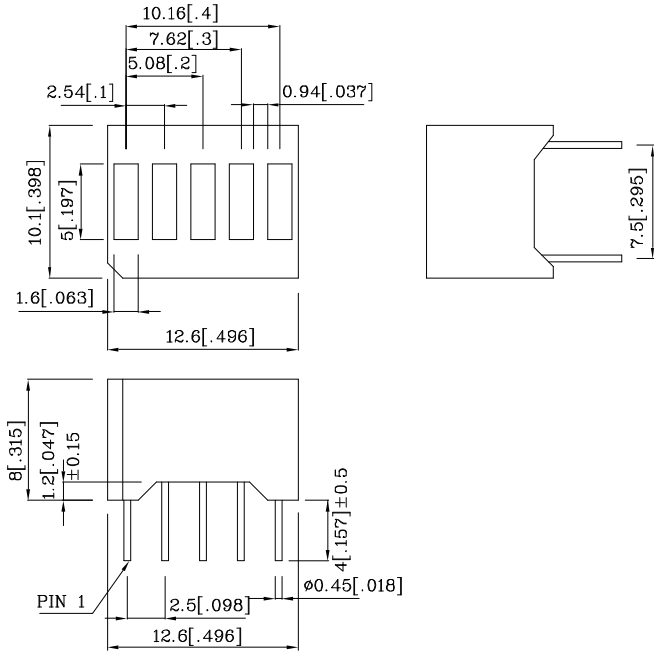
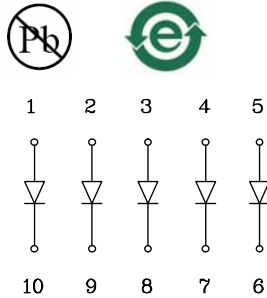


PRELIMINARY SPEC

Features

- SUITABLE FOR LEVEL INDICATORS.
- LOW CURRENT OPERATION.
- EXCELLENT ON/OFF CONTRAST.
- END STACKABLE.
- MECHANICALLY RUGGED.
- DIFFERENT COLORS IN ONE UNIT AVAILABLE.
- GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



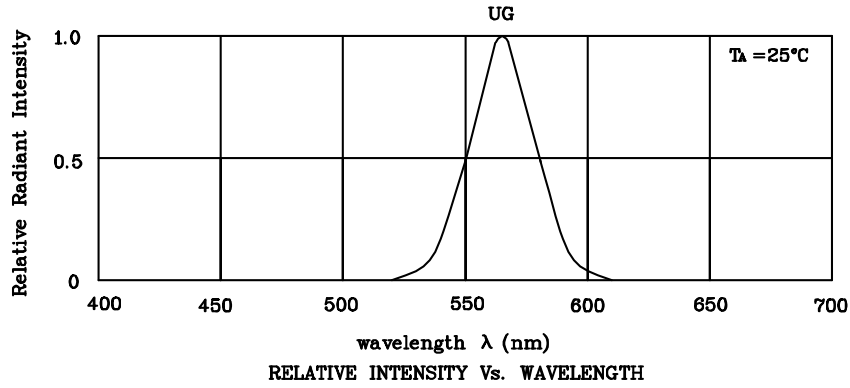
Notes:

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.

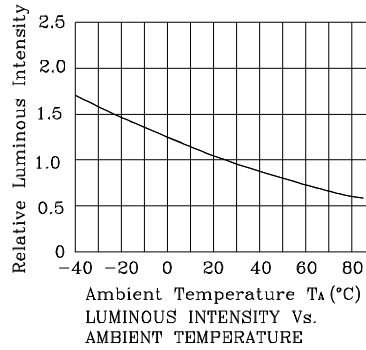
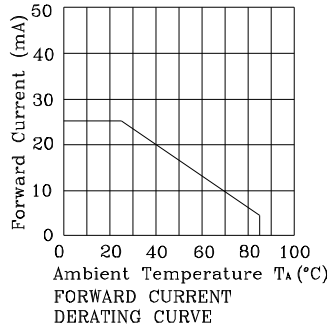
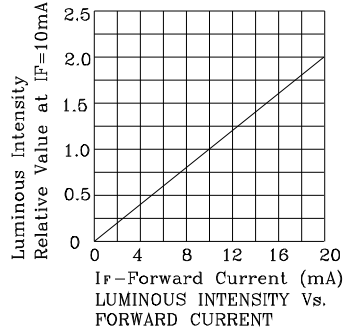
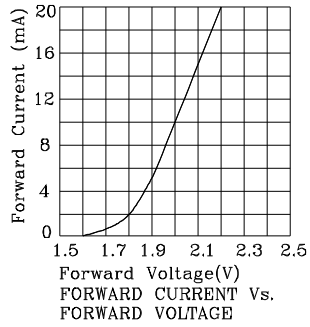
| Absolute Maximum Ratings ($T_A=25^\circ\text{C}$) | | UG (GaP) | Unit |
|--|-----------------------|-------------|------|
| Reverse Voltage | V_R | 5 | V |
| Forward Current | I_F | 25 | mA |
| Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width | i_{FS} | 140 | mA |
| Power Dissipation | P_T | 62.5 | 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 ($T_A=25^\circ\text{C}$) | | UG (GaP) | Unit |
|---|-----------------|-------------|---------------|
| Forward Voltage (Typ.) ($I_F=10\text{mA}$) | V_F | 2.0 | V |
| Forward Voltage (Max.) ($I_F=10\text{mA}$) | V_F | 2.5 | V |
| Reverse Current (Max.) ($V_R=5\text{V}$) | I_R | 10 | μA |
| Wavelength Of Peak Emission (Typ.) ($I_F=10\text{mA}$) | λ_P | 565 | nm |
| Wavelength Of Dominant Emission (Typ.) ($I_F=10\text{mA}$) | λ_D | 568 | nm |
| Spectral Line Full Width At Half-Maximum (Typ.) ($I_F=10\text{mA}$) | $\Delta\lambda$ | 30 | nm |
| Capacitance (Typ.) ($V_F=0\text{V}$, $f=1\text{MHz}$) | C | 15 | pF |

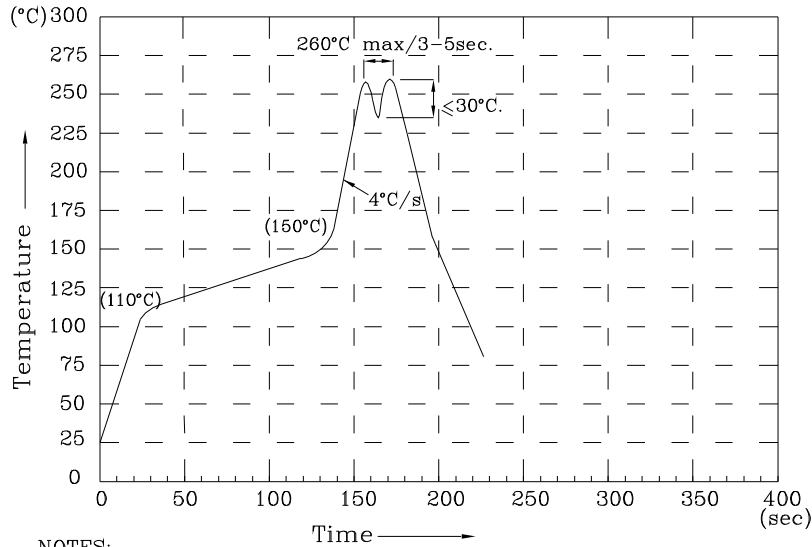
| Part Number | Emitting Color | Emitting Material | Luminous Intensity ($I_F=10\text{mA}$) ucd | Wavelength nm λ_P | Description |
|-------------|----------------|-------------------|--|---------------------------------|--------------------------------|
| | | | min. | typ. | |
| GUGX5D | Green | GaP | 1900 | 9890 | 565 5 Segment Bargraph-Display |



❖ 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:

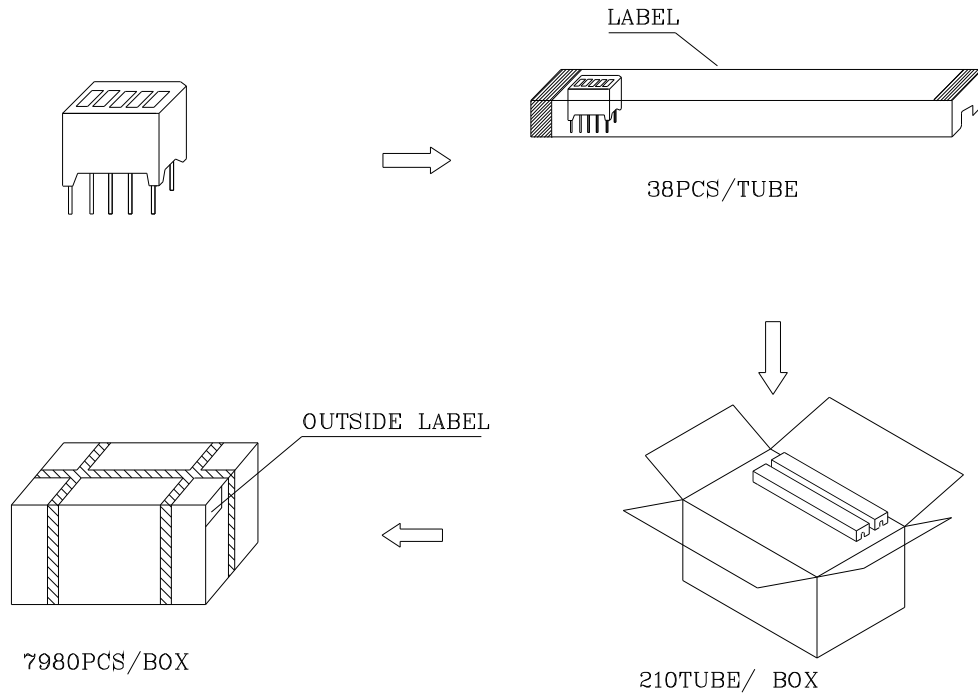
1. Wavelength: +/-1nm
2. Luminous intensity / luminous flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

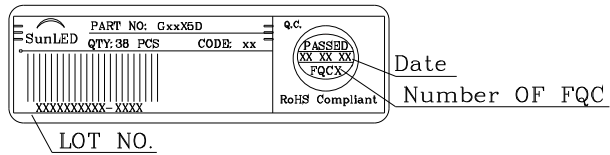


PACKING & LABEL SPECIFICATIONS

GUGX5D



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

