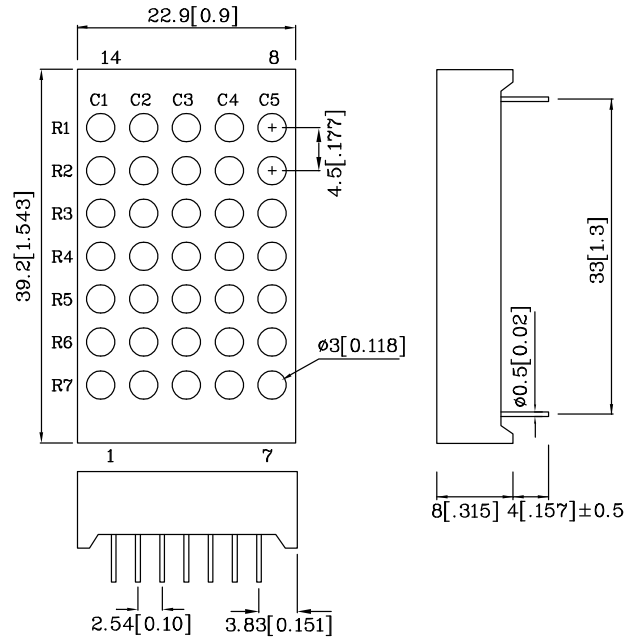
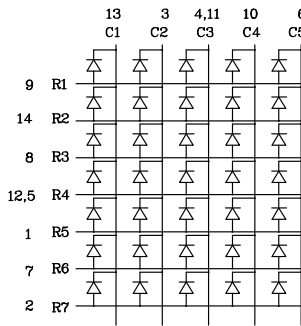


**Features**

- 1.2 INCH MATRIX HEIGHT.
- DOT SIZE 3mm.
- LOW CURRENT OPERATION.
- HIGH CONTRAST AND LIGHT OUTPUT.
- COMPATIBLE WITH ASCII AND EBCDIC CODES.
- COLUMN CATHODE AND COLUMN ANODE AVAILABLE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE DOT.
- RoHS COMPLIANT.



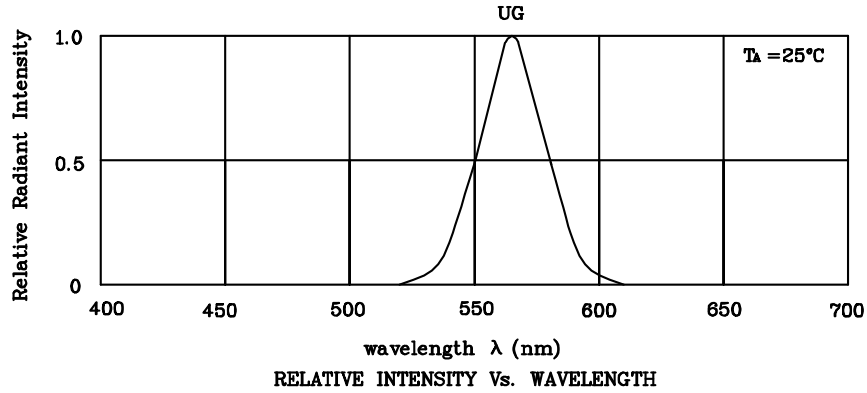
Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25(0.01") unless otherwise noted.

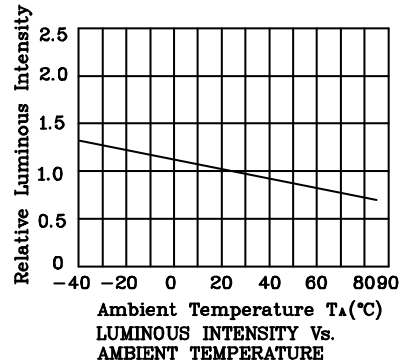
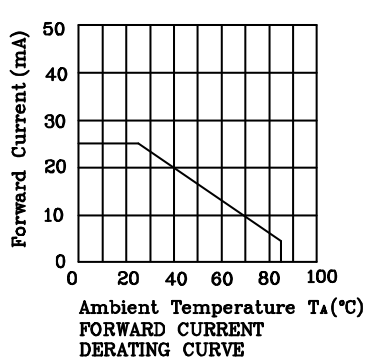
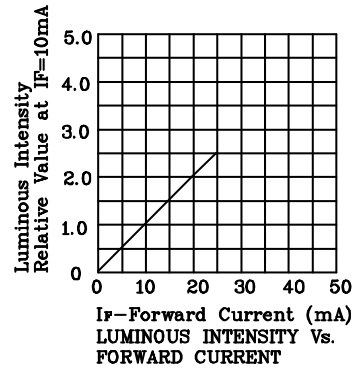
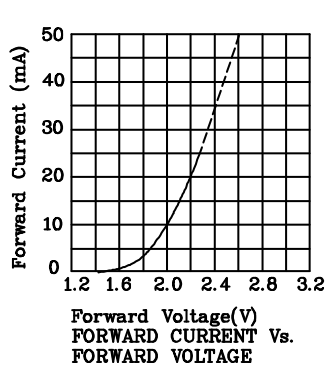
| Absolute Maximum Ratings<br>(TA=25°C)                          |                     | UG<br>(GaP) | Unit |
|--|---------------------|-------------|------|
| Reverse Voltage  | VR                  | 5           | V    |
| Forward Current  | IF                  | 25          | mA   |
| Forward Current (Peak)<br>1/10 Duty Cycle<br>0.1ms Pulse Width | iFS                 | 140         | mA   |
| Power Dissipation  | PT                  | 105         | mW   |
| Operating Temperature  | TA                  | -40 ~ +85   | °C   |
| Storage Temperature  | Tstg                | -40 ~ +85   |      |
| Lead Solder Temperature<br>[2mm Below Package Base]            | 260°C For 5 Seconds |             |      |

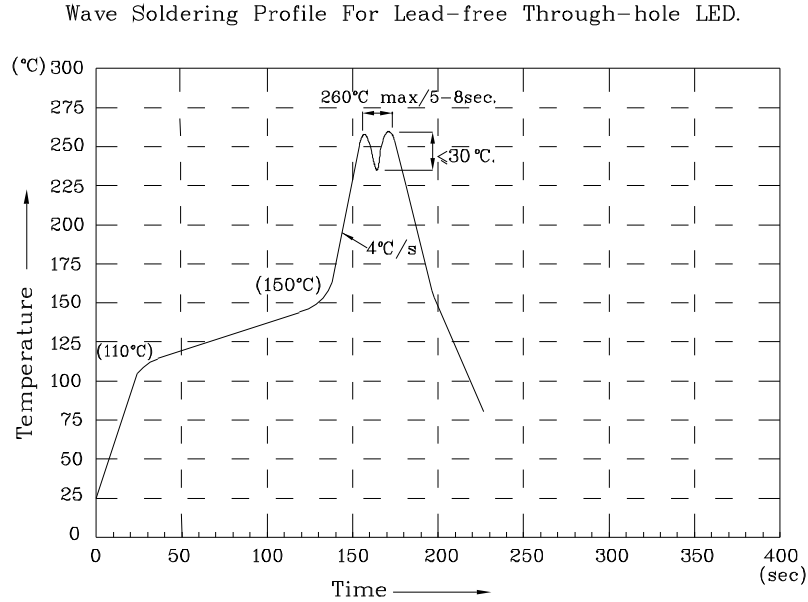
| Operating Characteristics<br>(TA=25°C)               |        | UG<br>(GaP) | Unit |
|--|--------|-------------|------|
| Forward Voltage (Typ.)<br>(IF=10mA)                  | VF     | 2.0         | V    |
| Forward Voltage (Max.)<br>(IF=10mA)                  | VF     | 2.5         | V    |
| Reverse Current<br>(VR=5V)                           | IR     | 10          | uA   |
| Wavelength of Peak<br>Emission (IF=10mA)             | λ peak | 565         | nm   |
| Wavelength of Dominant<br>Emission (IF=10mA)         | λ D    | 568         | nm   |
| Spectral Line Full Width At<br>Half-Maximum(IF=10mA) | Δλ     | 30          | nm   |
| Capacitance<br>(VF=0V, f=1MHz)                       | C      | 15          | pF   |

| Part Number | Emitting Color | Emitting Material | Luminous Intensity<br>(IF=10mA)<br>ucd |       | Wavelength<br>nm<br>λ P | Description    |
|-------------|----------------|-------------------|--|-------|-------------------------|----------------|
|             |                |                   | min.                                   | typ.  |                         |                |
| XMUG30C     | Green          | GaP               | 1900                                   | 10490 | 565                     | Column Cathode |



❖ UG





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, or wavelength), the typical accuracy of the sorting process is as follows:

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

Note: Accuracy may depend on the sorting parameters.