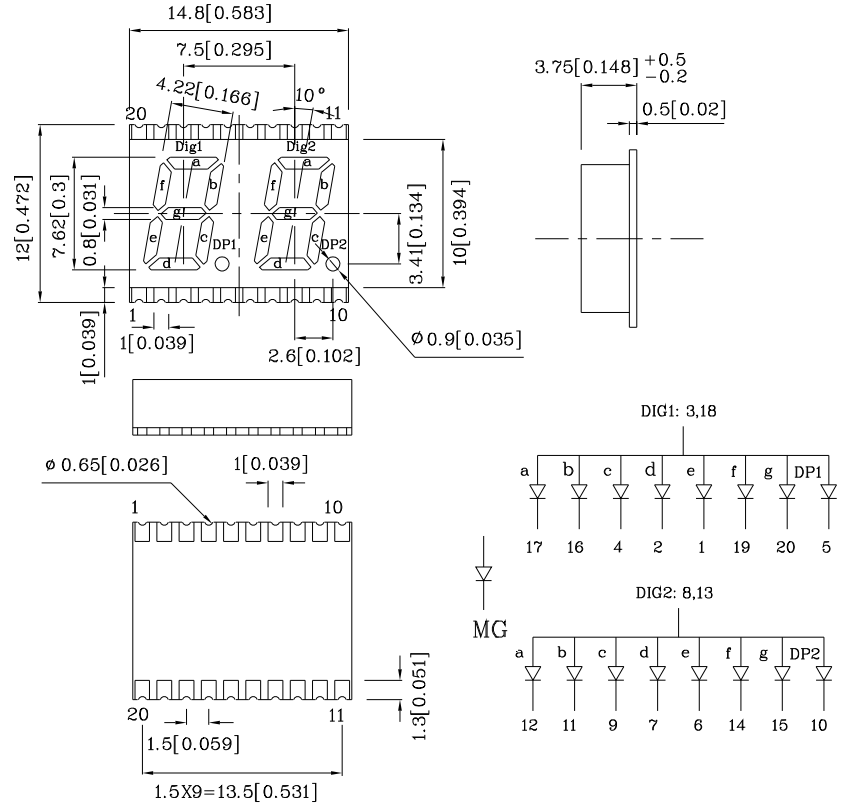


Features

- 0.3NCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- GRAY FACE, WHITE SEGMENT.
- PACKAGE : 600PCS / REEL.
- RoHS COMPLIANT.



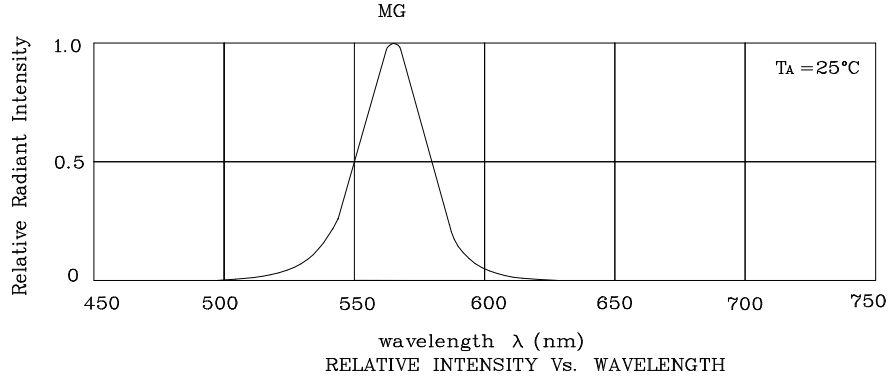
Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.

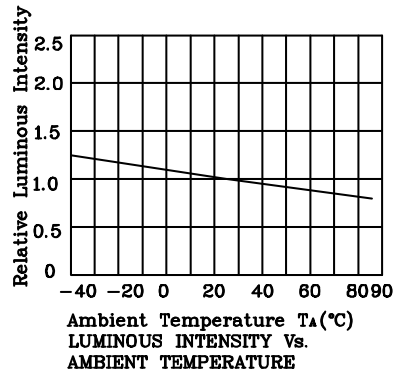
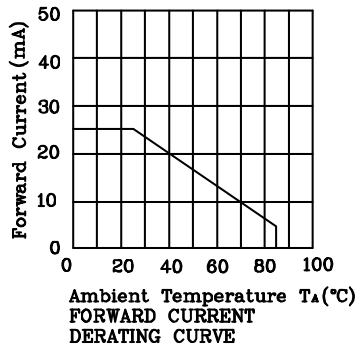
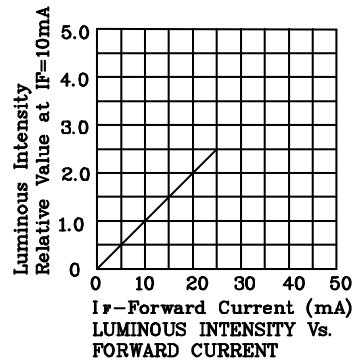
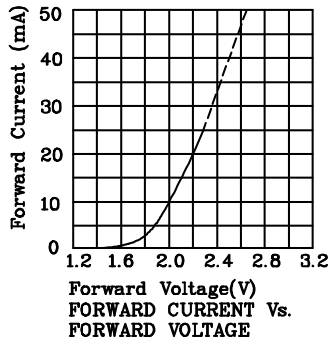
| Absolute Maximum Ratings ($T_A=25^\circ\text{C}$) | | MG (GaP) | Unit |
|--|-----------|-------------|------|
| Reverse Voltage | V_R | 5 | V |
| Forward Current | I_F | 25 | mA |
| Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width | i_{FS} | 140 | mA |
| Power Dissipation | P_T | 105 | mW |
| Operating Temperature | T_A | -40 ~ +85 | °C |
| Storage Temperature | T_{stg} | -40 ~ +85 | |

| Operating Characteristics ($T_A=25^\circ\text{C}$) | | MG (GaP) | Unit |
|---|-----------------|-------------|---------------|
| Forward Voltage (Typ.) ($I_F=10\text{mA}$) | V_F | 2 | V |
| Forward Voltage (Max.) ($I_F=10\text{mA}$) | V_F | 2.5 | V |
| Reverse Current ($V_R=5\text{V}$) | I_R | 10 | μA |
| Wavelength of Peak Emission ($I_F=10\text{mA}$) | λ_P | 565 | nm |
| Wavelength of Dominant Emission ($I_F=10\text{mA}$) | λ_D | 568 | nm |
| Spectral Line Full Width At Half-Maximum ($I_F=10\text{mA}$) | $\Delta\lambda$ | 30 | nm |
| Capacitance ($V_F=0\text{V}$, $f=1\text{MHz}$) | C | 15 | pF |

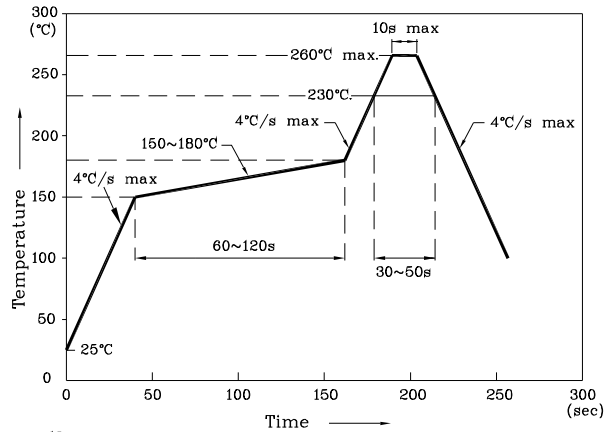
| Part Number | Emitting Color | Emitting Material | Luminous Intensity ($I_F=10\text{mA}$) ucd | | Wavelength nm λ_P | Description |
|-------------|----------------|-------------------|--|------|---------------------------------|--------------------------------|
| | | | min. | typ. | | |
| XZDMG07A2 | Green | GaP | 1200 | 5590 | 565 | Common Anode, Rt. Hand Decimal |



❖ MG



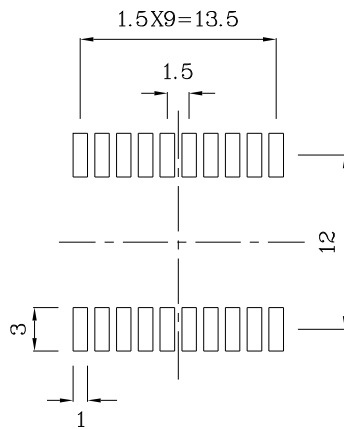
Reflow Soldering Profile For Lead-free SMT Process.



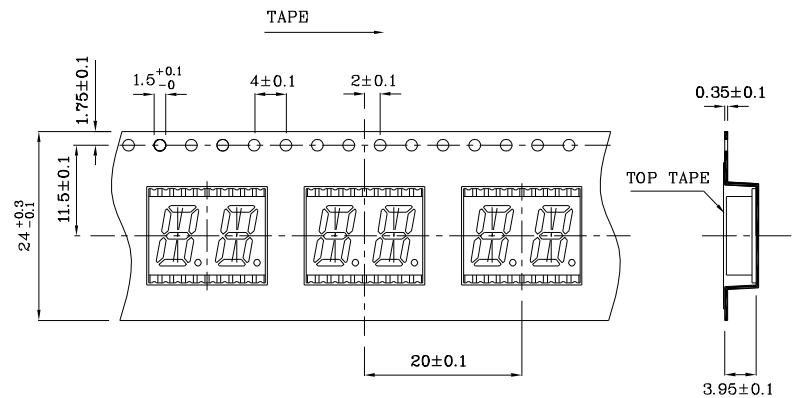
Notes:

1. Maximum soldering temperature should not exceed 260°C.
2. Recommended reflow temperature: 145°C~260°C.
3. Do not put stress to the epoxy resin during high temperatures conditions.

❖ Recommended Soldering Pattern
(Units : mm;Tolerance:± 0.15)



❖ Tape Specification (Units : mm)



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.