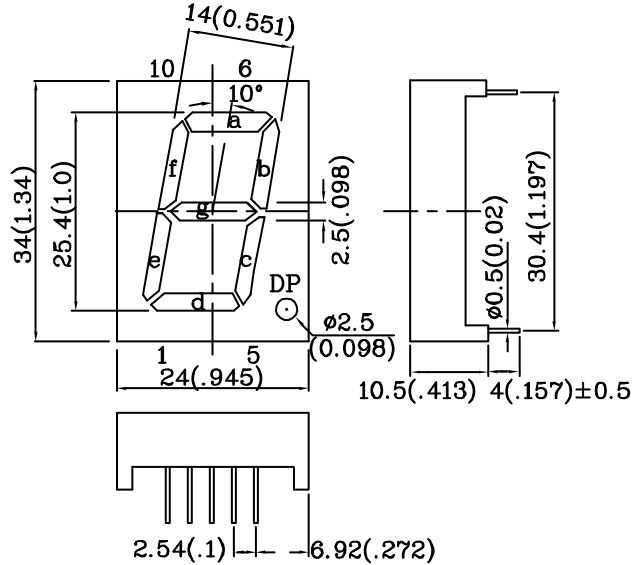
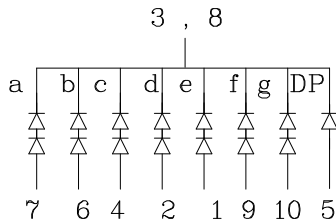


Features

- 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.



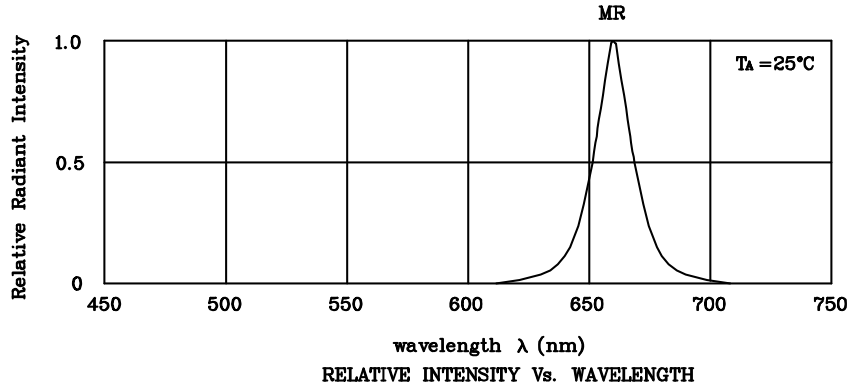
Notes:

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.

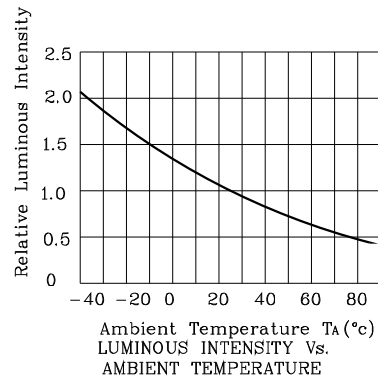
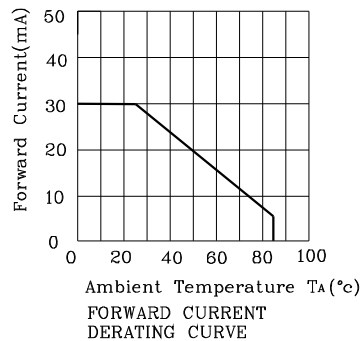
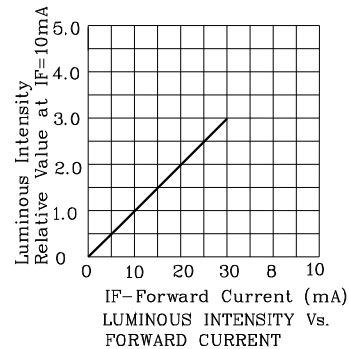
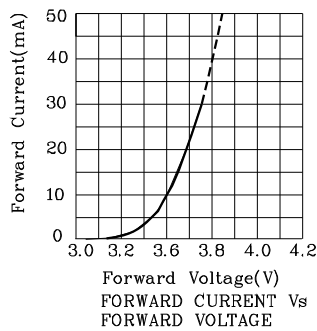
| Absolute Maximum Ratings ($T_A=25^\circ\text{C}$) | | MR (GaAlAs) | Unit |
|---|-----------------------|----------------|------|
| Reverse Voltage Per Segment or (DP) | V_R | 10(5) | V |
| Forward Current Per Segment or (DP) | I_F | 30(30) | mA |
| Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width Per Segment or (DP) | i_{FS} | 155(155) | 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 | | |

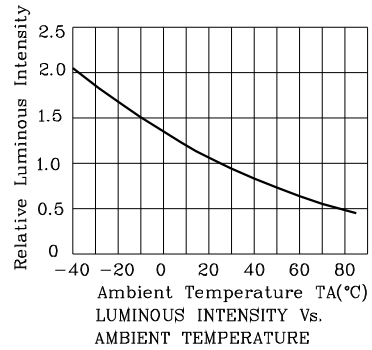
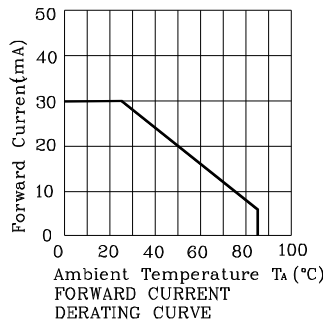
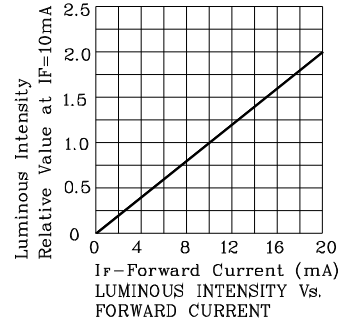
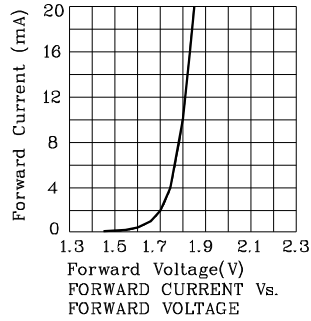
| Operating Characteristics ($T_A=25^\circ\text{C}$) | | MR (GaAlAs) | Unit |
|---|-----------------|----------------|---------------|
| Forward Voltage (Typ.) Per Segment Or (DP) ($I_F=10\text{mA}$) | V_F | 3.6(1.8) | V |
| Forward Voltage (Max.) Per Segment Or (DP) ($I_F=10\text{mA}$) | V_F | 5.0(2.5) | V |
| Reverse Current (Max.) Per Segment Or (DP) ($V_R=10(5)\text{V}$) | I_R | 10(10) | μA |
| Wavelength Of Peak Emission (Typ.) ($I_F=10\text{mA}$) | λ_P | 660 | nm |
| Wavelength Of Dominant Emission (Typ.) ($I_F=10\text{mA}$) | λ_D | 640 | nm |
| Spectral Line Full Width At Half-Maximum (Typ.) ($I_F=10\text{mA}$) | $\Delta\lambda$ | 20 | nm |
| Capacitance (Typ.) ($V_F=0\text{V}$, $f=1\text{MHz}$) | C | 45 | pF |

| Part Number | Emitting Color | Emitting Material | Luminous Intensity (IF=10mA) ucd | | Wavelength nm λ P | Description |
|-------------|----------------|-------------------|-------------------------------------|-------|---------------------------------|----------------------------------|
| | | | min. | typ. | | |
| DMR25C | Red | GaAlAs | 12000 | 59990 | 660 | Common Cathode, Rt. Hand Decimal |

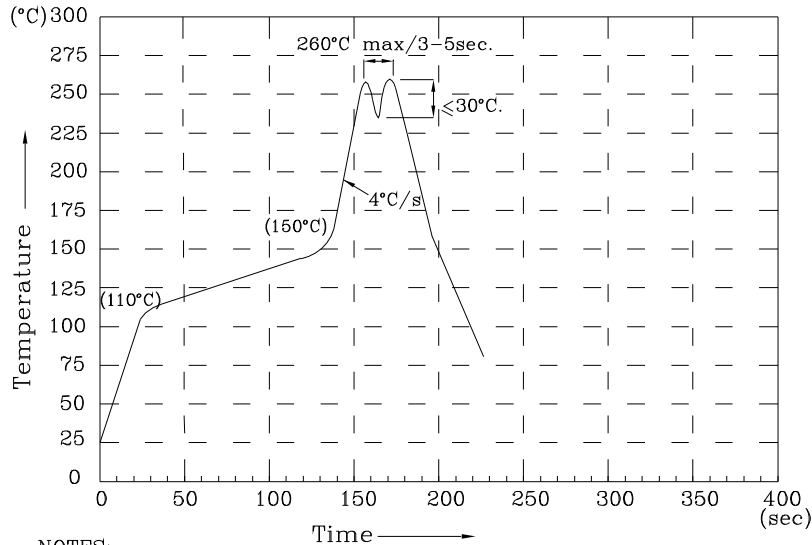


❖ MR





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:

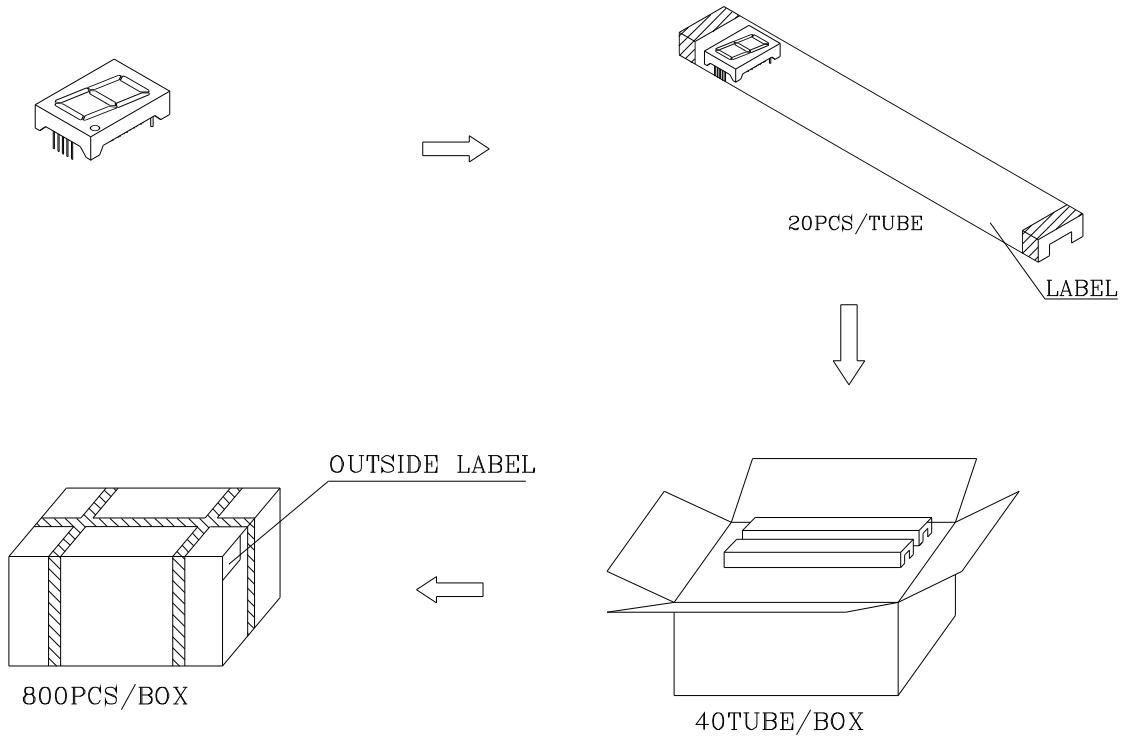
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

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

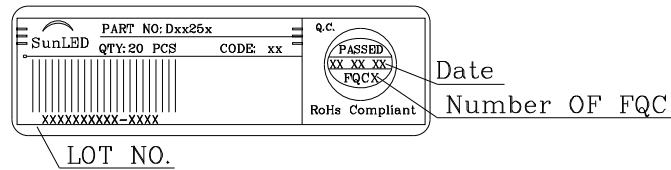
Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

DMR25C



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

