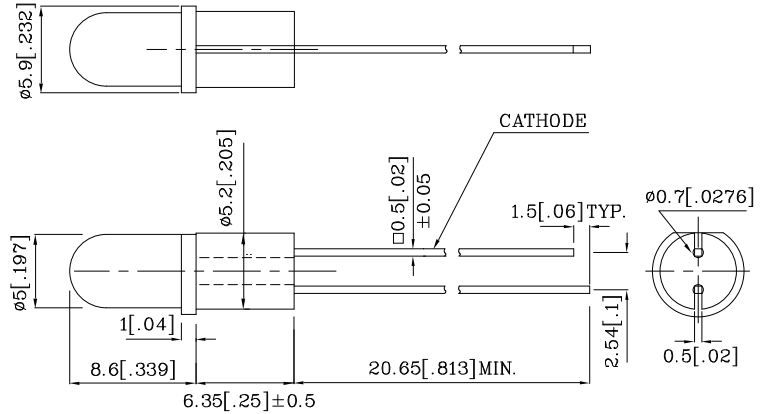


Features

- LED FIRMLY HELD BY SPACER-NO ADDITIONAL FIXTURING OR GLUEING NECESSARY.
- SUITABLE FOR BACK PANEL ILLUMINATION, CIRCUIT BOARD INDICATOR, LED INDICATOR.
- UL RATING:94V-0.
- HOUSING MATERIAL:TYPE 66 NYLON.
- RoHS COMPLIANT.



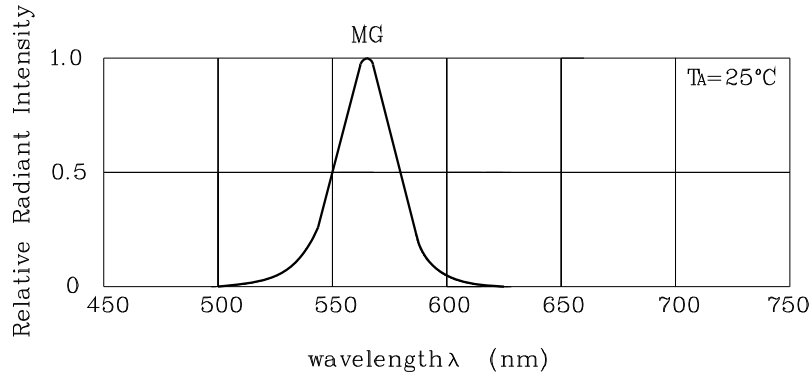
Notes:

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 (TA=25°C) | | MG (GaP) | Unit |
|---|---------------------|-------------|------|
| Reverse Voltage | VR | 5 | V |
| Forward Current | IF | 25 | mA |
| Forward Current (Peak) 1/10Duty Cycle 0.1ms Pulse Width | iFS | 140 | mA |
| Power Dissipation | PT | 62.5 | mW |
| Operating Temperature | TA | -40 ~ +85 | °C |
| Storage Temperature | Tstg | -40 ~ +85 | |
| Lead Solder Temperature [2mm Below Package Base] | 260°C For 3 Seconds | | |
| Lead Solder Temperature [5mm Below Package Base] | 260°C For 5 Seconds | | |

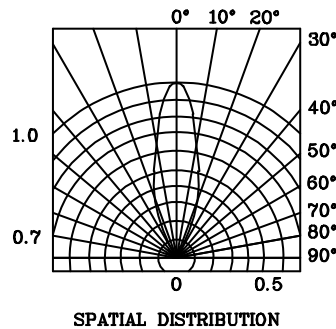
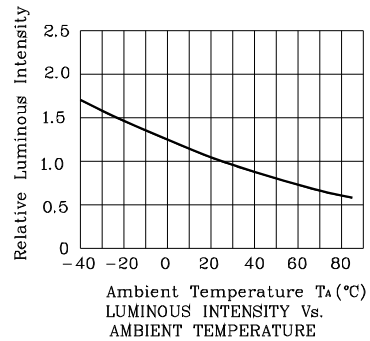
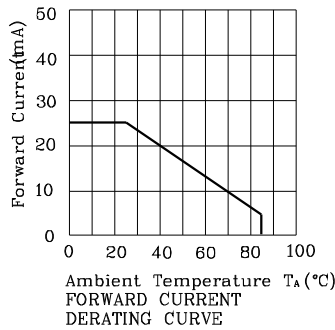
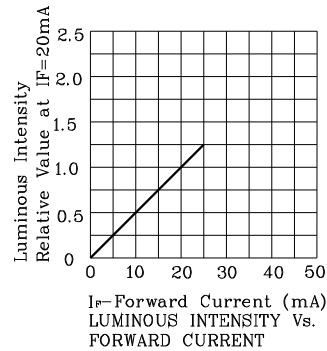
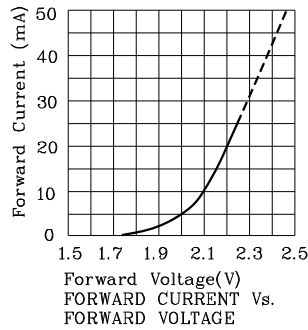
| Operating Characteristics (TA=25°C) | | MG (GaP) | Unit |
|---|-----------------|-------------|------|
| Forward Voltage (Typ.) (IF=20mA) | VF | 2.2 | V |
| Forward Voltage (Max.) (IF=20mA) | VF | 2.5 | V |
| Reverse Current (Max.) (VR=5V) | IR | 10 | uA |
| Wavelength Of Peak Emission (Typ.) (IF=20mA) | λP | 565 | nm |
| Wavelength Of Dominant Emission (Typ.) (IF=20mA) | λD | 568 | nm |
| Spectral Line Full Width At Half-Maximum (Typ.) (IF=20mA) | $\Delta\lambda$ | 30 | nm |
| Capacitance (Typ.) (VF=0V, f=1MHz) | C | 15 | pF |

| Part Number | Emitting Color | Emitting Material | Lens-color | Luminous Intensity (IF=20mA) mcd | | Wavelength nm λP | Viewing Angle 2 θ 1/2 |
|--|-------------------|----------------------|----------------|---|------|---------------------------------|------------------------------------|
| | | | | min. | typ. | | |
| XNM1LMG12D6.35 | Green | GaP | Green Diffused | 18 | 39 | 565 | 30° |
| Published Date : JAN 23,2008 Drawing No : XDSA7836 V2 Checked : B.LLIU P.1/4 | | | | | | | |

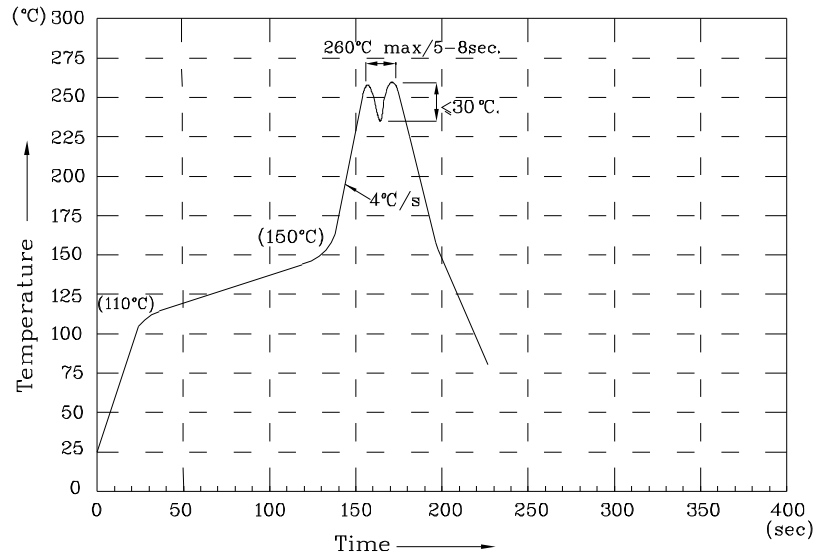


RELATIVE INTENSITY Vs. WAVELENGTH

❖ MG



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:

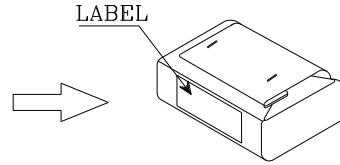
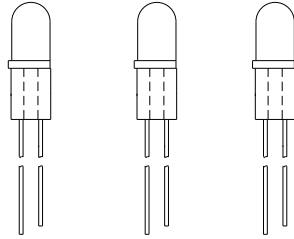
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity/ luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

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

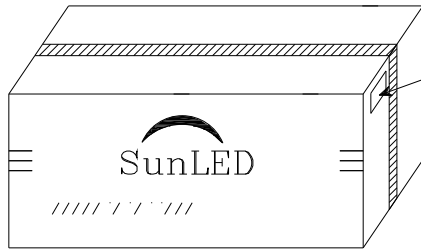
Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

XNM1LMG12D6.35

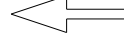


200 PCS/Bag

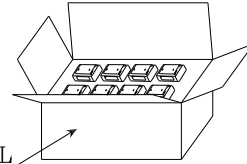


12.8K/BOX

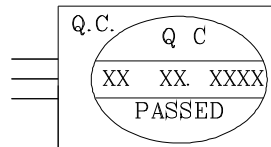
OUTSIDE LABEL




OUTSIDE LABEL



1.6K/BOX



| | |
|--|-----------|
| P/NO : XNM1Lxx12x | |
| QTY : 200 pcs | CODE: XXX |
| S/N : XX | |
| LOT NO: | |
|  xxxxxxxxxxxxxxxxxxxxxxxx | |
| RoHS Compliant | |