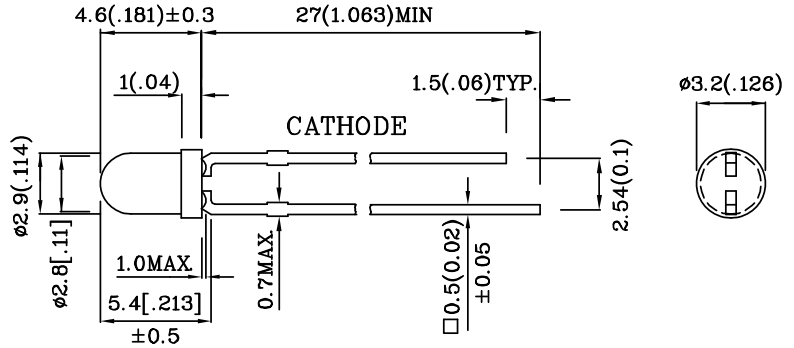


PRELIMINARY SPEC

Features

- LOW POWER CONSUMPTION.
- POPULAR T-1 DIAMETER PACKAGE.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.
- RoHS COMPLIANT.



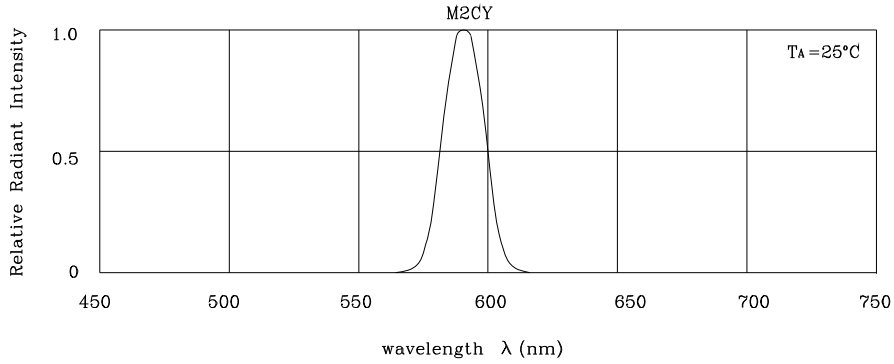
Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25(0.01") unless otherwise noted.
3. Specifications are subject to change without notice.

| Absolute maximum ratings (TA=25°C) | | M2CY (AlInGaP) | Unit |
|--|---------------------|-------------------|------|
| Reverse Voltage | VR | 5 | V |
| Forward Current | IF | 30 | mA |
| Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width | iFS | 140 | mA |
| Power Dissipation | PT | 84 | 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 | | |

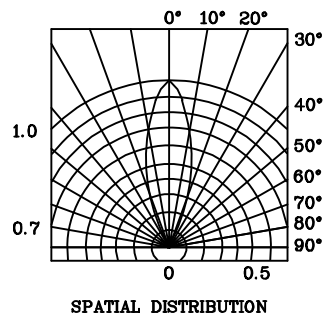
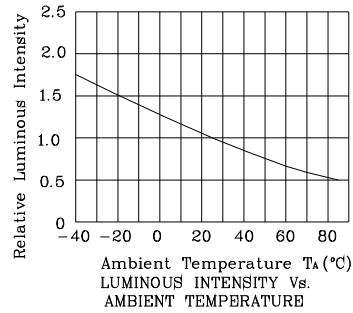
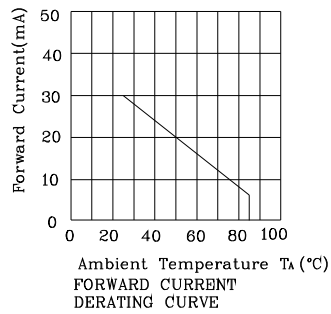
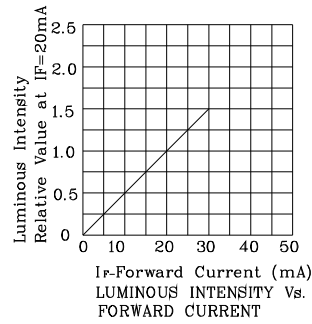
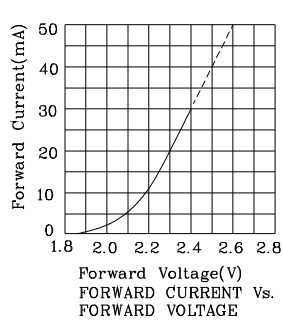
| Operating Characteristics (TA=25°C) | | M2CY (AlInGaP) | Unit |
|---|-----|-------------------|------|
| Forward Voltage (Typ.) (IF=20mA) | VF | 2.3 | V |
| Forward Voltage (Max.) (IF=20mA) | VF | 2.8 | V |
| Reverse Current (Max.) (VR=5V) | IR | 10 | uA |
| Wavelength of Peak Emission (Typ.) (IF=20mA) | λ P | 590 | nm |
| Wavelength of Dominant Emission (Typ.) (IF=20mA) | λ D | 589 | nm |
| Spectral Line Full Width At Half-Maximum (Typ.) (IF=20mA) | Δλ | 20 | nm |
| Capacitance (Typ.) (VF=0V, f=1MHz) | C | 45 | pF |

| Part Number | Emitting Color | Emitting Material | Lens-color | Luminous Intensity (IF=20mA) | | Wavelength nm λ P | Viewing Angle 2 θ 1/2 |
|----------------|-------------------|----------------------|-------------|------------------------------------|------|-------------------------|-----------------------------|
| | | | | min. | typ. | | |
| LM2CY11W | Yellow | AlInGaP | Water Clear | 1200 | 2190 | 590 | 34° |

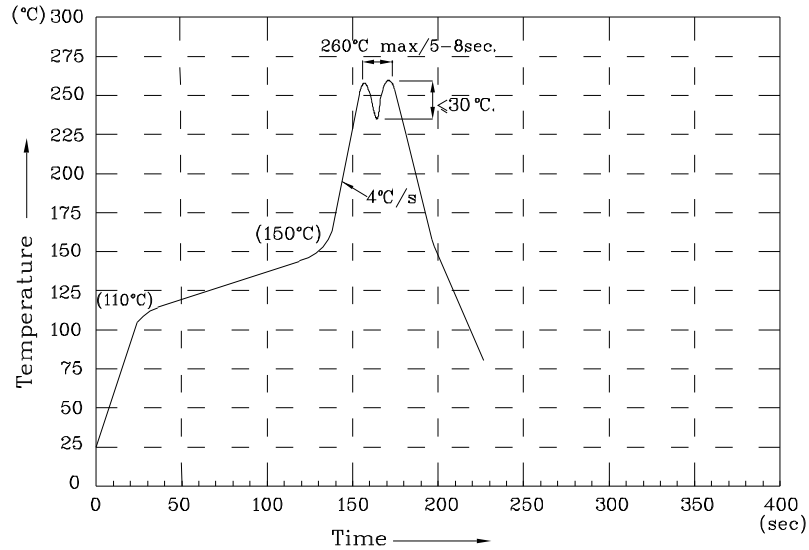


RELATIVE INTENSITY Vs. WAVELENGTH

❖ M2CY



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:

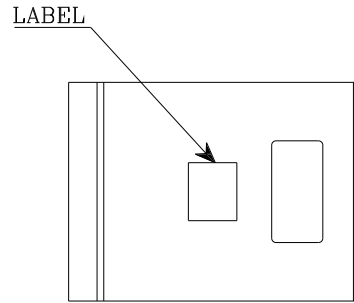
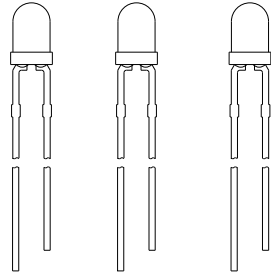
If special sorting is required (e.g. binning based on forward voltage, luminous intensity / luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

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

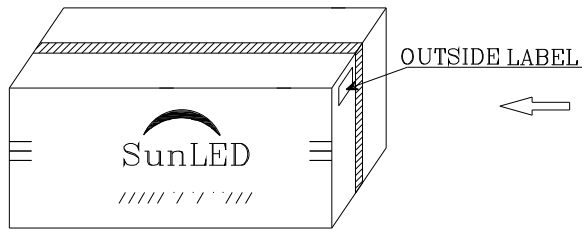
Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

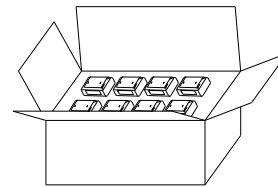
LM2CY11W



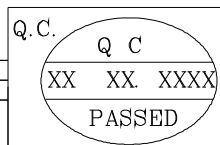
500PCS/BAG




20K / BOX



10K / BOX



| | |
|--|-----------|
| P/NO : Lxx11x | |
| QTY : 500 pcs | CODE: XXX |
| S/N : XX | |
| LOT NO: | |
|  xxxxxxxxxxxxxxxxxxxxxxxx | |
| RoHS Compliant | |