

PRELIMINARY SPEC

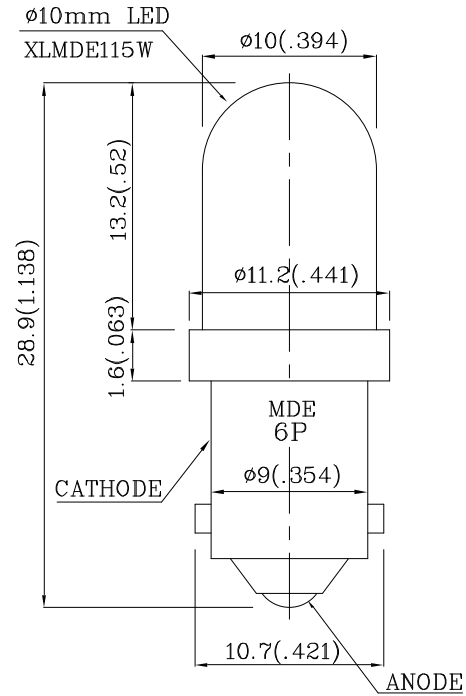
Features

- BUILT-IN CURRENT LIMITING RESISTOR FOR DIRECT APPLICATION OF DIFFERENT ACROSS CURRENT.
- LONG LIFE.
- LOW CURRENT, POWER SAVINGS.
- LOW MAINTENANCE.
- DIFFERENT COLOR AVAILABLE.
- SOLID STATE, HIGH VIBRATION RESISTANT.
- 6V INTERNAL RESISTOR.
- RoHS COMPLIANT.



Notes:

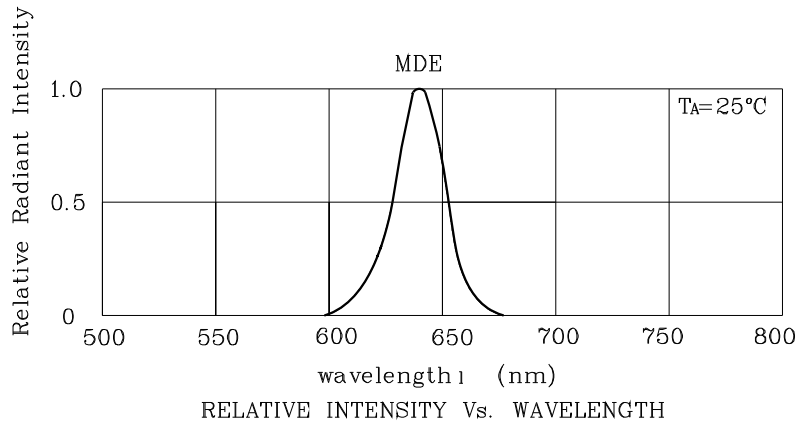
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ " unless otherwise noted.
3. Specifications are subject to change without notice.



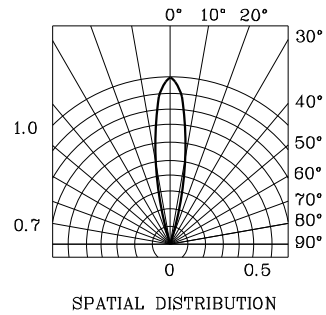
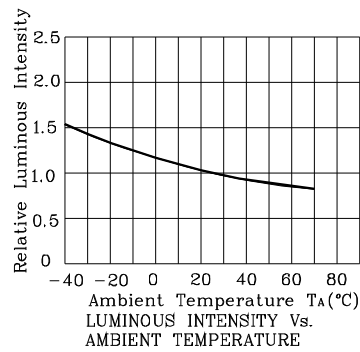
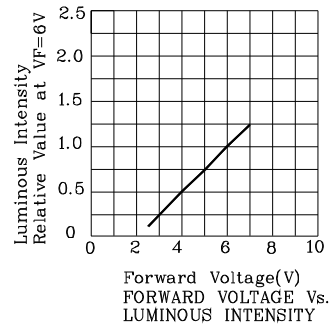
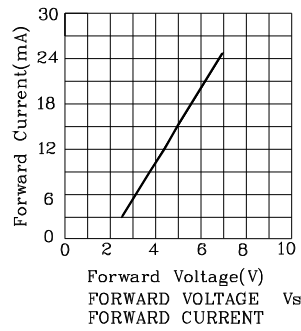
| Absolute Maximum Ratings (TA=25°C) | | MDE (InGaAlP) | Unit |
|---------------------------------------|------------------|------------------|------|
| Reverse Voltage | V _R | 5 | V |
| Forward Voltage | V _F | 7 | V |
| Power Dissipation | P _T | 175 | mW |
| Operating Temperature | T _A | -40 ~ +70 | °C |
| Storage Temperature | T _{stg} | -40 ~ +85 | |

| Operating Characteristics (TA=25°C) | | MDE (InGaAlP) | Unit |
|--|----------------|------------------|------|
| Forward Current (Typ.) (V _F =6V) | I _F | 20 | mA |
| Forward Current (Max.) (V _F =6V) | I _F | 25 | mA |
| Reverse Current (Max.) (V _R =5V) | I _R | 10 | uA |
| Wavelength Of Peak Emission (Typ.) (V _F =6V) | λ _P | 640 | nm |
| Wavelength Of Dominant Emission (Typ.) (V _F =6V) | λ _D | 630 | nm |
| Spectral Line Full Width At Half-Maximum (Typ.) (V _F =6V) | Δλ | 25 | nm |

| Part Number | Emitting Color | Emitting Material | Lens-color | Luminous Intensity (V=6V) mcd | | Wavelength nm λ _P | Viewing Angle 2 θ 1/2 |
|-------------|----------------|-------------------|-------------|-------------------------------------|------|------------------------------------|--------------------------|
| | | | | min. | typ. | | |
| XYMDE101W6V | Red | InGaAlP | Water Clear | 1800 | 3290 | 640 | 20° |

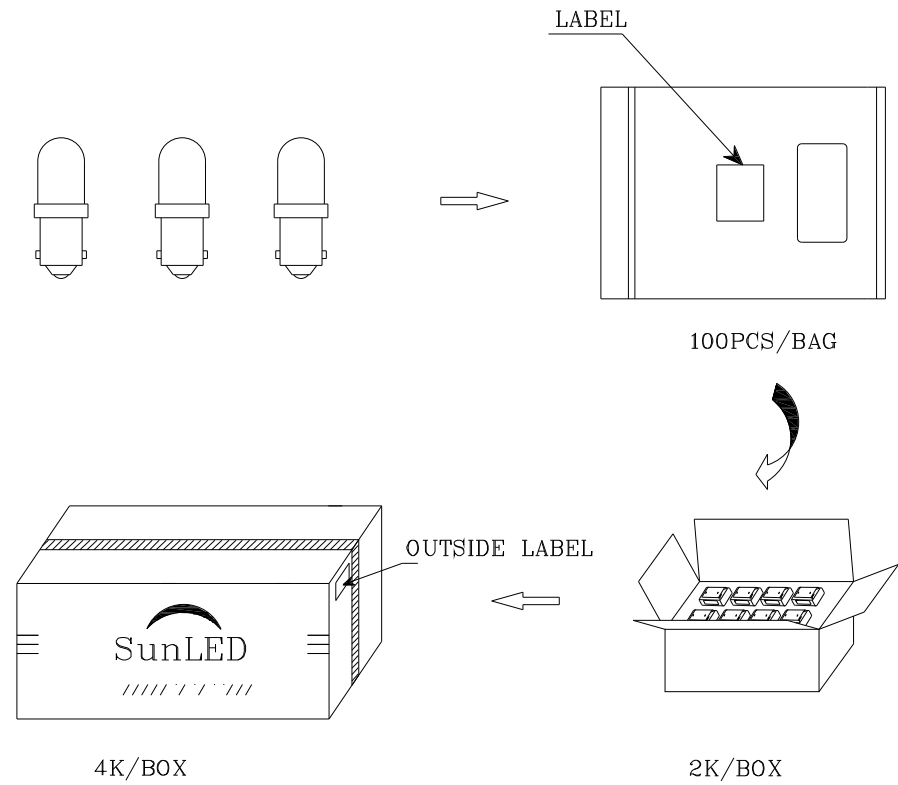



❖ MD-E




PACKING & LABEL SPECIFICATIONS

XYMDE101W6V

Q.C.
 Q C
 XX XX XXXX
 PASSED

| | |
|--|-----------|
| P/NO : XYxxx102x | |
| QTY : 100 pcs | CODE: XXX |
| S/N : XX | |
| LOT NO : | |
|  XXXXXXXXXXXXXXXXXXXXXXXX | |
| RoHS Compliant | |