

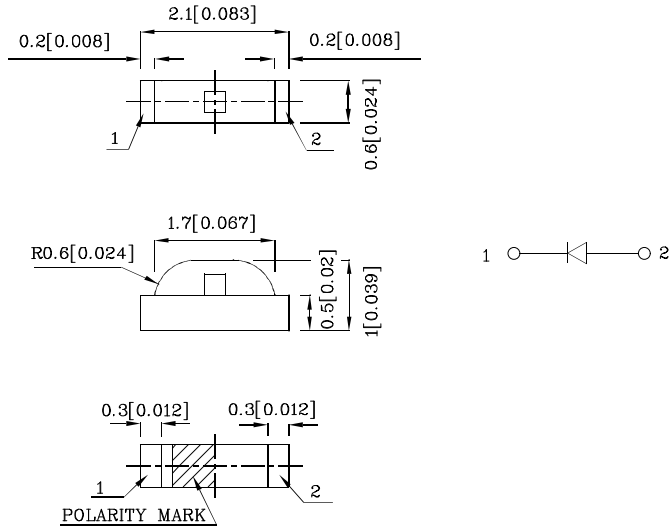
**Features**

- Ideal for indication light on hand held products
- Long life and robust package
- Variety of lens types and color choices available
- Package: 2000pcs / reel
- Moisture sensitivity level : level 3
- RoHS compliant



**ATTENTION**  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
DISCHARGE  
SENSITIVE  
DEVICES

**Package Schematics**



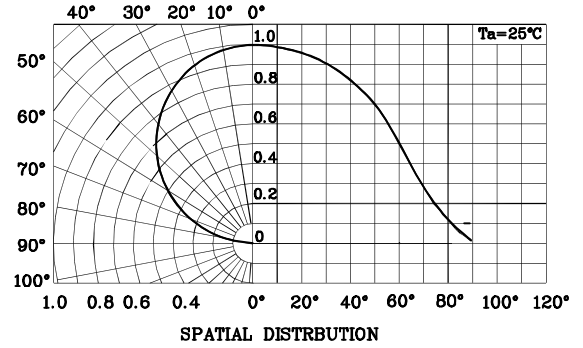
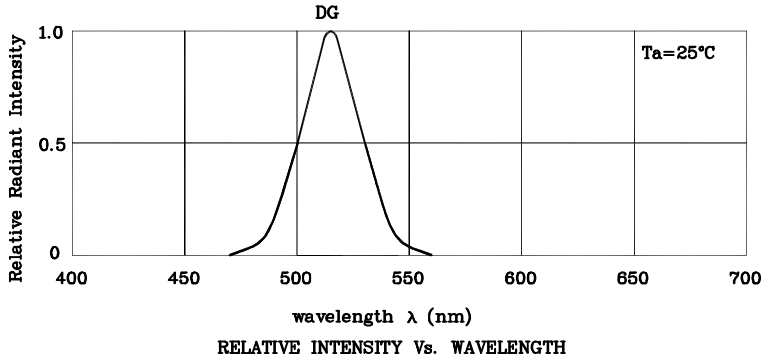
**Notes:**

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.1(0.004)$  unless otherwise noted.
3. Specifications are subject to change without notice.

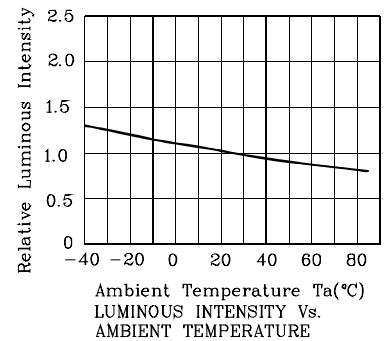
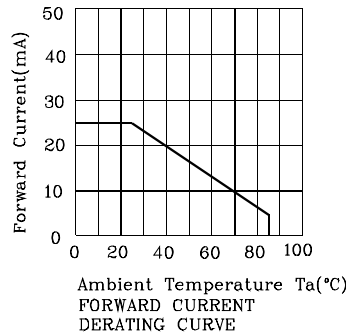
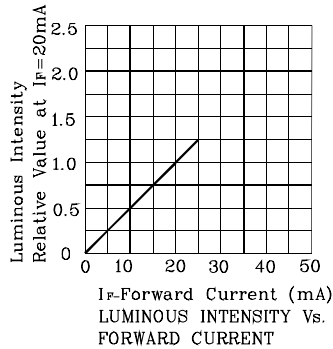
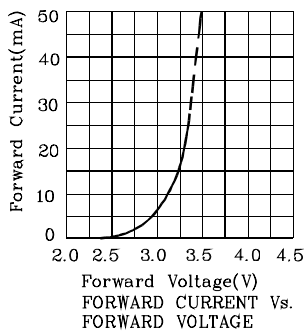
| Absolute Maximum Ratings<br>( $T_A=25^\circ\text{C}$ )         |           | DG<br>(InGaN) | Unit |
|--|-----------|---------------|------|
| Reverse Voltage  | $V_R$     | 5             | V    |
| Forward Current  | $I_F$     | 25            | mA   |
| Forward Current (Peak)<br>1/10 Duty Cycle<br>0.1ms Pulse Width | $i_{FS}$  | 150           | mA   |
| Power Dissipation  | $P_D$     | 102.5         | mW   |
| Operating Temperature  | $T_A$     | -40 ~ +85     | °C   |
| Storage Temperature  | $T_{stg}$ | -40 ~ +85     |      |
| Electrostatic Discharge Threshold<br>(HBM)                     |           | 450           | V    |

| Operating Characteristics<br>( $T_A=25^\circ\text{C}$ )                     |                 | DG<br>(InGaN) | Unit          |
|---|-----------------|---------------|---------------|
| Forward Voltage (Typ.)<br>( $I_F=20\text{mA}$ )                             | $V_F$           | 3.3           | V             |
| Forward Voltage (Max.)<br>( $I_F=20\text{mA}$ )                             | $V_F$           | 4.1           | V             |
| Reverse Current (Max.)<br>( $V_R=5\text{V}$ )                               | $I_R$           | 50            | $\mu\text{A}$ |
| Wavelength of Peak<br>Emission (Typ.)<br>( $I_F=20\text{mA}$ )              | $\lambda_P$     | 515           | nm            |
| Wavelength of Dominant<br>Emission (Typ.)<br>( $I_F=20\text{mA}$ )          | $\lambda_D$     | 525           | nm            |
| Spectral Line Full Width<br>At Half-Maximum (Typ.)<br>( $I_F=20\text{mA}$ ) | $\Delta\lambda$ | 30            | nm            |
| Capacitance (Typ.)<br>( $V_F=0\text{V}$ , $f=1\text{MHz}$ )                 | $C$             | 45            | pF            |

| Part Number | Emitting Color | Emitting Material | Lens-color  | Luminous Intensity<br>( $I_F=20\text{mA}$ )<br>mcd |      | Wavelength<br>nm<br>$\lambda_P$ | Viewing Angle<br>2 $\theta$ 1/2 |
|-------------|----------------|-------------------|-------------|--|------|---------------------------------|---------------------------------|
|             |                |                   |             | min.   | typ. |                                 |                                 |
| XZDG74W     | Green          | InGaN             | Water Clear | 200  | 397  | 515                             | 120°                            |

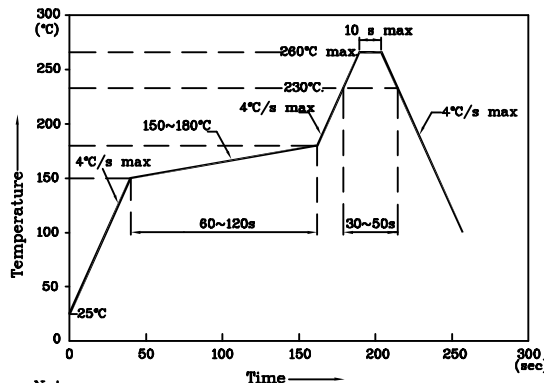


❖ DG



**LED is recommended for reflow soldering and soldering profile is shown below.**

**Reflow Soldering Profile for SMD Products (Pb-Free Components)**

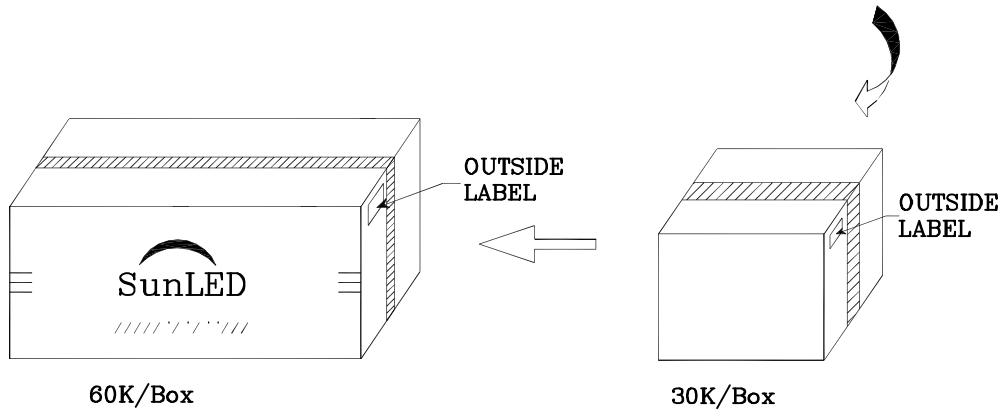
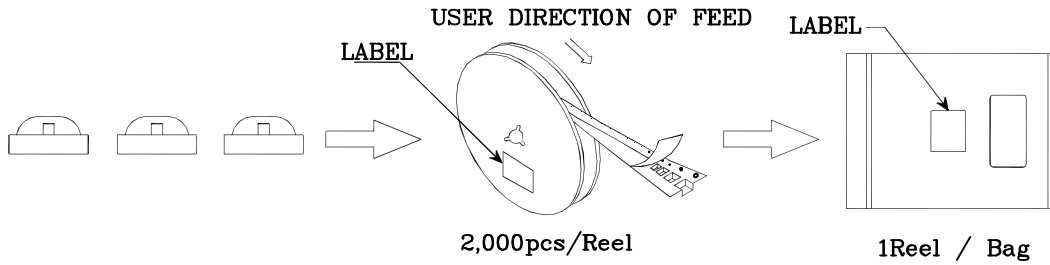



**Notes:**

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




PACKING & LABEL SPECIFICATIONS

Q.C. Q C

XX XX XXXX

PASSED

|  |           |
|--|-----------|
| P/NO : XZxxx74x  |           |
| QTY : 2,000 pcs  | CODE: XXX |
| S/N : XX   |           |
| LOT NO:  |           |
| <br>xxxxxxxxxxxxxxxxxxxxxxxx |           |
| RoHS Compliant   |           |