

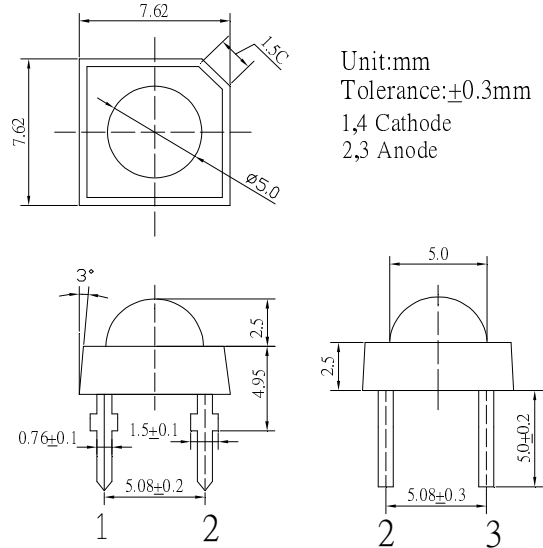
■ **Features**

- High Luminous Super Flux Output
- 5 ° Standard Directivity
- Long Lifetime Operation
- Low Thermal Resistance
- Superior Weather-Resistance
- UV Resistant Epoxy
- Water Clear Type

■ **Applications**

- Automotive tail, stop, turn signal lamps and interior lighting
- Signage and channel letter
- Decoration and entertainment lighting
- Architectural lighting
- Other Lighting

■ **Outline Dimension**



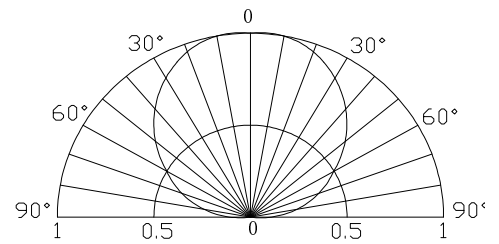
■ **Absolute Maximum Rating**

(Ta=25°C)

| Item                       | Symbol           | Value      | Unit |
|----------------------------|------------------|------------|------|
| DC Forward Current         | I <sub>F</sub>   | 50         | mA   |
| Pulse Forward Current*     | I <sub>FP</sub>  | 120        | mA   |
| Reverse Voltage            | V <sub>R</sub>   | 5          | V    |
| Power Dissipation          | P <sub>D</sub>   | 182        | mW   |
| Operating Temperature      | T <sub>opr</sub> | -30 ~ +85  | °C   |
| Storage Temperature        | T <sub>stg</sub> | -40 ~ +100 | °C   |
| Lead Soldering Temperature | T <sub>sol</sub> | 260°C/5sec | -    |

\*Pulse width Max.10ms Duty ratio max 1/10

■ **Directivity**



■ **Electrical -Optical Characteristics**

(Ta=25°C)

| Item                | Symbol            | Condition            | Min. | Typ. | Max. | Unit |
|---------------------|-------------------|----------------------|------|------|------|------|
| DC Forward Voltage  | V <sub>F</sub>    | I <sub>F</sub> =50mA | 2.0  | 2.3  | 2.8  | V    |
| DC Reverse Current  | I <sub>R</sub>    | V <sub>R</sub> =5V   | -    | -    | 10   | μA   |
| Domi. Wavelength*   | λ <sub>D</sub>    | I <sub>F</sub> =50mA | 620  | 625  | 630  | nm   |
| Luminous Intensity* | I <sub>v</sub>    | I <sub>F</sub> =50mA | 3600 | 4800 | -    | mcd  |
| 50% Power Angle     | 2θ <sub>1/2</sub> | I <sub>F</sub> =50mA | -    | 120  | -    | deg  |

\*1 Tolerance of measurements of dominant wavelength is ±1nm

\*2 Tolerance of measurements of Luminous Intensity is ±15%

\*3 Tolerance of measurements of forward voltage is ±0.1V

■ **Maximum Forward Current**

