

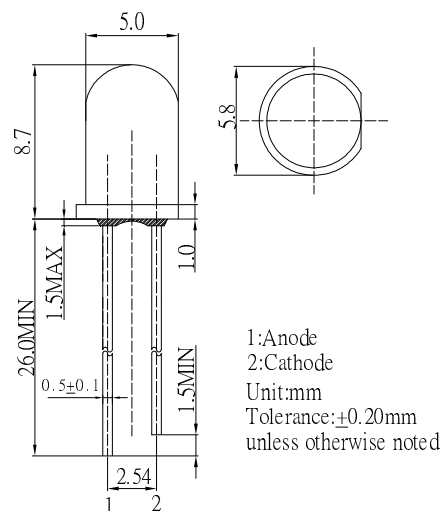
## ■ Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type
- Prefect Beam Pattern

## ■ Applications

- Advertising Board
- Horticulture Application
- Traffic Light / Signal Light
- Beauty Product
- Other Lighting

## ■ Outline Dimension



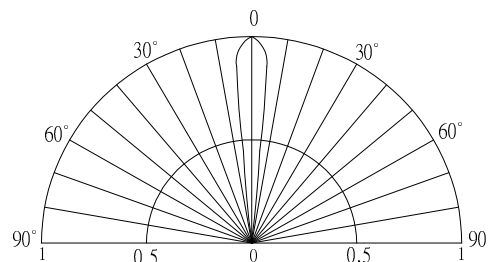
## ■ Absolute Maximum Rating

(Ta=25°C)

| Item                       | Symbol           | Value      | Unit |
|----------------------------|------------------|------------|------|
| DC Forward Current         | I <sub>F</sub>   | 30         | mA   |
| Pulse Forward Current*     | I <sub>FP</sub>  | 100        | mA   |
| Reverse Voltage            | V <sub>R</sub>   | 5          | V    |
| Power Dissipation          | P <sub>D</sub>   | 78         | 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> =30mA | 1.8  | 2.1  | 2.6  | V    |
| DC Reverse Current  | I <sub>R</sub>    | V <sub>R</sub> =5V   | -    | -    | 10   | μA   |
| Luminous Flux       | Φ <sub>v</sub>    | I <sub>F</sub> =30mA | 3.5  | 4.5  | -    | lm   |
| Luminous Intensity* | I <sub>v</sub>    | I <sub>F</sub> =30mA | 22   | 25   | -    | cd   |
| Domi. Wavelength*   | λ <sub>D</sub>    | I <sub>F</sub> =30mA | 585  | 590  | 595  | nm   |
| 50% Power Angle     | 2θ <sub>1/2</sub> | I <sub>F</sub> =30mA | -    | 15   | -    | 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

**LED & Application Technologies**

