

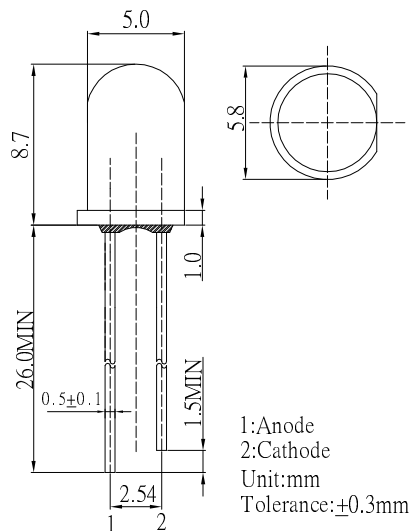
## ■Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- Superior Weather-resistance
- Flashing Type
- Water Clear Type

## ■Applications

- Toys
- Games
- Audio
- Other Lighting

## ■Outline Dimension

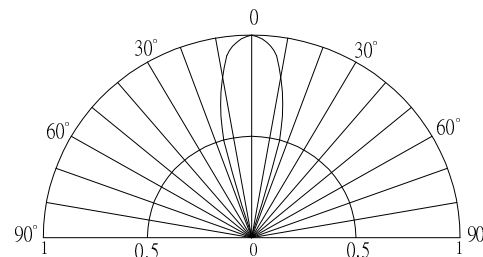


## ■Absolute Maximum Rating

(Ta=25°C)

| Item                       | Symbol  | Value        | Unit |
|----------------------------|---------|--------------|------|
| Power Supply               | Voltage | 5            | V    |
| Operating Temperature      | Topr    | -30 ~ +85    | °C   |
| Storage Temperature        | Tstg    | -40 ~ +100   | °C   |
| Lead Soldering Temperature | Tsol    | 260°C / 5sec | -    |

## ■Directivity



## ■Electrical -Optical Characteristics

(Ta=25°C)

| Item                      | Symbol            | Condition            | Min. | Typ. | Max. | Unit |
|---------------------------|-------------------|----------------------|------|------|------|------|
| DC Forward Voltage        | V <sub>dd</sub>   | I <sub>F</sub> =20mA | 3.0  | 3.3  | 5.0  | V    |
| DC Reverse Current        | I <sub>R</sub>    | V <sub>R</sub> =5V   | -    | -    | 10   | μA   |
| Chromaticity Coordinates* | x                 | I <sub>F</sub> =20mA | -    | 0.45 | -    |      |
|                           | y                 | I <sub>F</sub> =20mA | -    | 0.17 | -    |      |
| Luminous Intensity*       | I <sub>v</sub>    | I <sub>F</sub> =20mA | 2000 | 2500 | -    | mcd  |
| 50% Power Angle           | 2θ <sub>1/2</sub> | I <sub>F</sub> =20mA | -    | 30   | -    | deg  |

\*1 Tolerance of dominant wavelength is  $\pm 1$  nm

\*2 Tolerance of luminous intensity is  $\pm 15\%$

\*3 Tolerance of Frequency is  $\pm 20\%$