

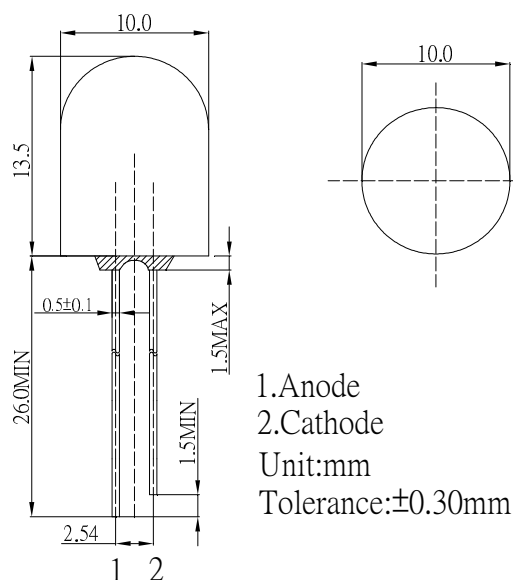
## ■Features

- High Luminous LEDs
- 10mm Round Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

## ■Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

## ■Outline Dimension



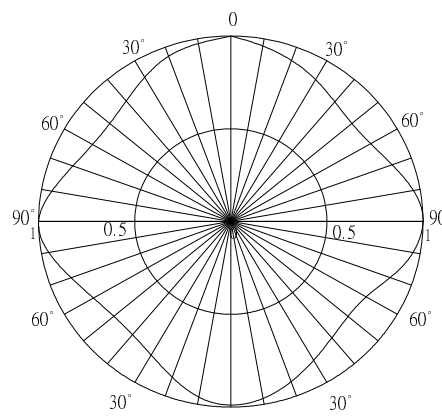
## ■Absolute Maximum Rating

(Ta=25°C)

| Item                       | Symbol           | Value       | Unit |
|----------------------------|------------------|-------------|------|
| DC Forward Current         | I <sub>F</sub>   | 20          | mA   |
| Pulse Forward Current*     | I <sub>FP</sub>  | 60          | mA   |
| Reverse Voltage            | V <sub>R</sub>   | 15          | V    |
| Power Dissipation          | P <sub>D</sub>   | 260         | mW   |
| Operating Temperature      | T <sub>opr</sub> | -40~ +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> =20mA | 10   | 11   | 13   | 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> =20mA | 35   | 38   | -    | lm   |
| Color Temperature         | CCT               | I <sub>F</sub> =20mA | 3000 | 3500 | 4500 | K    |
| Chromaticity Coordinates* | x                 | I <sub>F</sub> =20mA | -    | 0.40 | -    | -    |
|                           | y                 | I <sub>F</sub> =20mA | -    | 0.38 | -    | -    |
| 50% Power Angle           | 2θ <sub>1/2</sub> | I <sub>F</sub> =20mA | -    | 360  | -    | deg  |

\*1 Luminous Flux Measurement allowance is ±15%

\*2 Chromaticity Coordinates Measurement allowance is ±10