

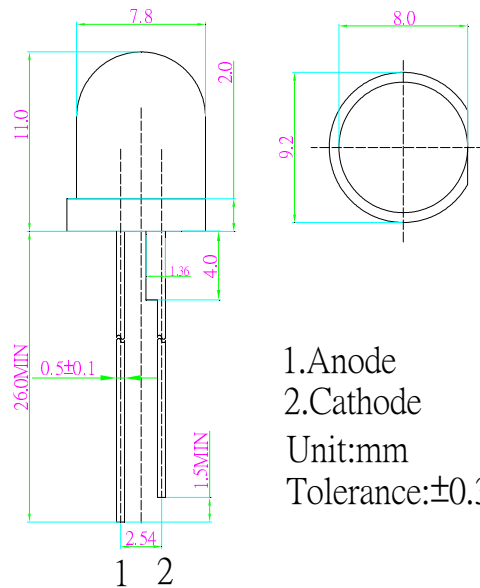
## ■ Features

- High Luminous LEDs
- 8mm Round Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

## ■ Applications

- Traffic signal, Portable light source
- Signage and channel letter
- Decorating and entertainment lighting
- Architectural lighting
- Outdoor/Indoor applications/Other Lighting

## ■ Outline Dimension



1. Anode  
2. Cathode  
Unit:mm  
Tolerance:±0.30mm

## ■ 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>   | 140          | 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

## ■ Electrical -Optical Characteristics

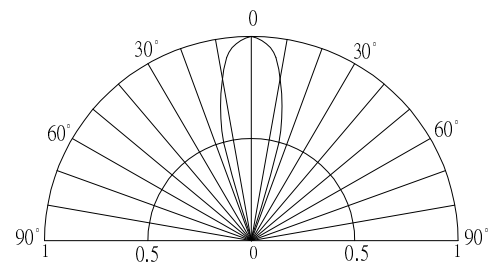
(Ta=25°C)

| 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 | 600   | 605   | 610  | nm   |
| Luminous Intensity* | I <sub>v</sub>    | I <sub>F</sub> =50mA | 35000 | 40000 | -    | mcd  |
| 50% Power Angle     | 2θ <sub>1/2</sub> | I <sub>F</sub> =50mA | -     | 30    | -    | deg  |

\*1 Tolerance of dominant wavelength is ±1nm

\*2 Tolerance of luminous intensity is ±15%

## ■ Directivity



## ■ Maximum Forward DC Current

