

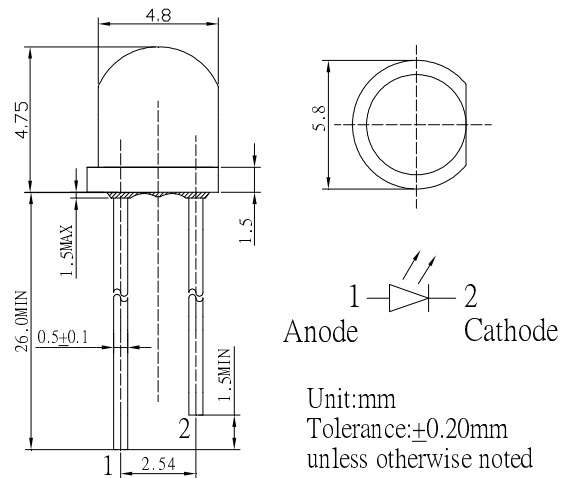
## ■ Features

- High Luminous LEDs
- 4.8mm Straw Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

## ■ Applications

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

## ■ Outline Dimension

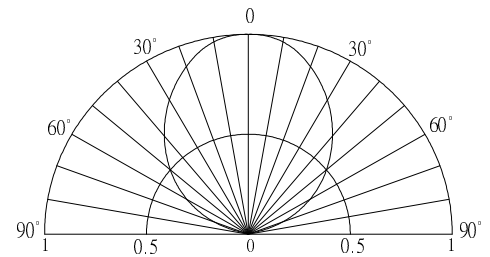


## ■ Absolute Maximum Rating

(Ta=25℃)

| 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>   | 102        | mW   |
| Operating Temperature      | T <sub>opr</sub> | -30 ~ +85  | ℃    |
| Storage Temperature        | T <sub>stg</sub> | -40 ~ +100 | ℃    |
| Lead Soldering Temperature | T <sub>sol</sub> | 260℃/5sec  | -    |

## ■ Directivity



#Pulse width Max 10ms , Duty ratio max 1/10

## ■ Electrical -Optical Characteristics

(Ta=25℃)

| Item                      | Symbol            | Condition            | Min. | Typ. | Max. | Unit |
|---------------------------|-------------------|----------------------|------|------|------|------|
| DC Forward Voltage*       | V <sub>F</sub>    | I <sub>F</sub> =30mA | 2.7  | 2.9  | 3.4  | 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 | 8.5  | 10   | -    | lm   |
| Luminous Intensity*       | I <sub>v</sub>    | I <sub>F</sub> =30mA | 2.5  | 3.0  | -    | cd   |
| Color Temperature*        | CCT               | I <sub>F</sub> =30mA | -    | 6500 | -    | K    |
| Chromaticity Coordinates* | x                 | I <sub>F</sub> =30mA | -    | 0.31 | -    |      |
|                           | y                 | I <sub>F</sub> =30mA | -    | 0.33 | -    |      |
| 50% Power Angle           | 2θ <sub>1/2</sub> | I <sub>F</sub> =30mA | -    | 100  | -    | deg  |

\*1 Tolerance of measurements of chromaticity coordinates / CCT is ±10%

\*2 Tolerance of measurements of luminous intensity is ±15%

\*3 Tolerance of measurements of luminous flux is ±15%

\*4 Tolerance of measurements of forward voltage is ±0.1V

**LED & Application Technologies**

