

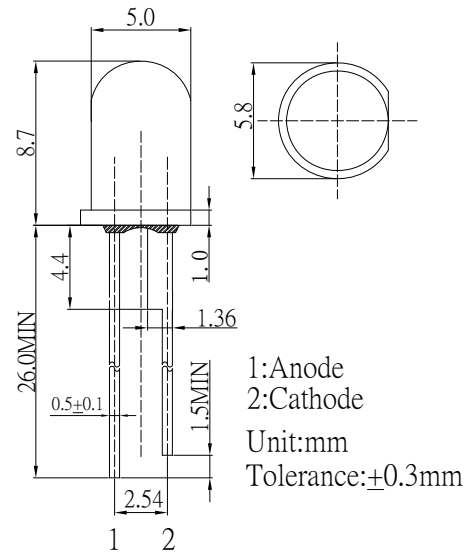
## ■Features

- High Luminous LEDs
- 5mm Standard Directivity
- Long Lifetime Operation
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

## ■Applications

- Automotive Dashboard Lighting
- Traffic Signal Lamp
- Back Lighting
- Other Lighting

## ■Outline Dimension

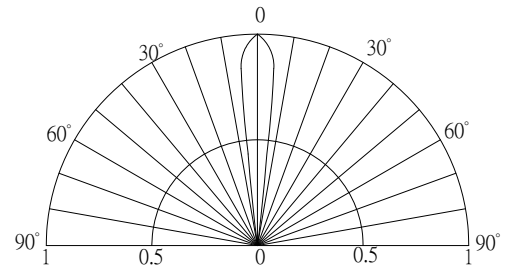


## ■Absolute Maximum Rating (Ta=25°C)

| Item                       | Symbol    | Value      | Unit |
|----------------------------|-----------|------------|------|
| DC Forward Current         | $I_F$     | 50         | mA   |
| Pulse Forward Current*     | $I_{FP}$  | 100        | mA   |
| Reverse Voltage            | $V_R$     | 5          | V    |
| Power Dissipation          | $P_D$     | 190        | mW   |
| Operating Temperature      | $T_{opr}$ | -30 ~ +85  | °C   |
| Storage Temperature        | $T_{stg}$ | -40 ~ +100 | °C   |
| Lead Soldering Temperature | $T_{sol}$ | 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 | $V_F$           | $I_F=50mA$ | 3.0   | 3.3    | 3.8  | V    |
| DC Reverse Current | $I_R$           | $V_R=5V$   | -     | -      | 10   | μA   |
| Domi. Wavelength   | $\lambda_D$     | $I_F=50mA$ | 500   | 505    | 510  | nm   |
| Luminous Intensity | $I_v$           | $I_F=50mA$ | 80000 | 100000 | -    | mcd  |
| 50% Power Angle    | $2\theta_{1/2}$ | $I_F=50mA$ | -     | 15     | -    | deg  |

\*1 Tolerance of dominant wavelength is ±1nm

\*2 Tolerance of luminous intensity is ±15%