

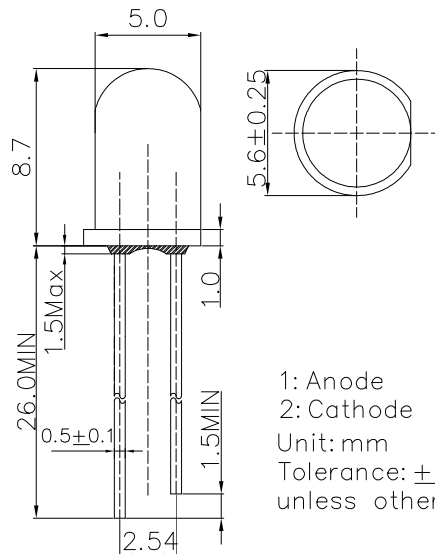
## ■ Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- UV Resistant Epoxy
- Color Diffused Type

## ■ Applications

- General Purpose Indicators
- Decorations
- Toys & Games
- General Use

## ■ Outline Dimension



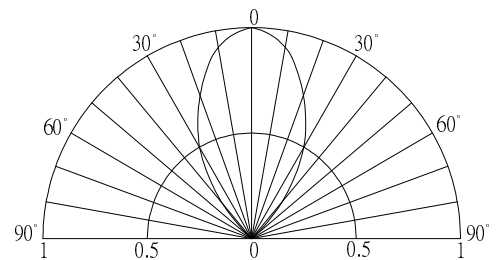
1: Anode  
2: Cathode  
Unit: mm  
Tolerance:  $\pm 0.20\text{mm}$   
unless otherwise noted

## ■ Absolute Maximum Rating

( $T_a=25^\circ\text{C}$ )

| Item                       | Symbol    | Value                           | Unit             |
|----------------------------|-----------|---------------------------------|------------------|
| DC Forward Current         | $I_F$     | 30                              | mA               |
| Pulse Forward Current#     | $I_{FP}$  | 100                             | mA               |
| Reverse Voltage            | $V_R$     | 5                               | V                |
| Power Dissipation          | $P_D$     | 78                              | mW               |
| Operating Temperature      | $T_{opr}$ | $-30 \sim +85$                  | $^\circ\text{C}$ |
| Storage Temperature        | $T_{stg}$ | $-40 \sim +100$                 | $^\circ\text{C}$ |
| Lead Soldering Temperature | $T_{sol}$ | $260^\circ\text{C}/5\text{sec}$ | -                |

## ■ Directivity



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

## ■ Electrical -Optical Characteristics

( $T_a=25^\circ\text{C}$ )

| Item                 | Symbol          | Condition         | Min. | Typ. | Max. | Unit          |
|----------------------|-----------------|-------------------|------|------|------|---------------|
| DC Forward Voltage*1 | $V_F$           | $I_F=20\text{mA}$ | -    | 2.1  | 2.6  | V             |
| DC Reverse Current   | $I_R$           | $V_R=5\text{V}$   | -    | -    | 10   | $\mu\text{A}$ |
| Domi. Wavelength*2   | $\lambda_D$     | $I_F=20\text{mA}$ | 585  | 590  | 595  | nm            |
| Luminous Intensity*3 | $I_v$           | $I_F=20\text{mA}$ | 100  | 150  | -    | mcd           |
| 50% Power Angle      | $2\theta_{1/2}$ | $I_F=20\text{mA}$ | -    | 60   | -    | deg           |

\*1 Tolerance of measurements of forward voltage is  $\pm 0.1\text{V}$

\*2 Tolerance of measurements of dominant wavelength is  $\pm 1\text{nm}$

\*3 Tolerance of measurements of luminous intensity is  $\pm 15\%$

**LED & Application Technologies**

