

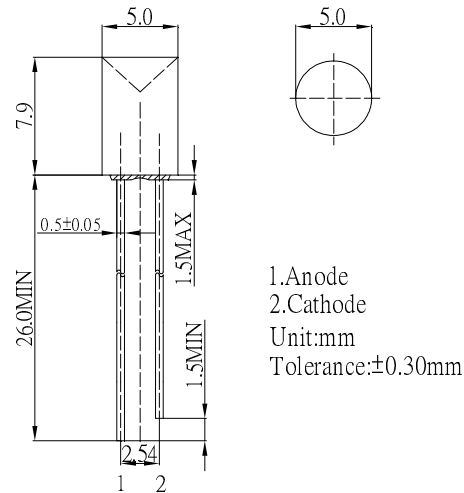
## ■ Features

- High Luminous LEDs
- 5mm Concave Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

## ■ Applications

- Traffic Signal
- Backlighting
- Signal and channel letter
- Other Lighting

## ■ Outline Dimension



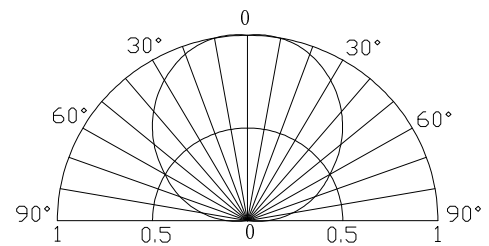
## ■ Absolute Maximum Rating

(Ta=25°C)

| Item                       | Symbol    | Value        | Unit |
|----------------------------|-----------|--------------|------|
| DC Forward Current         | $I_F$     | 50           | mA   |
| Pulse Forward Current#     | $I_{FP}$  | 120          | mA   |
| Reverse Voltage            | $V_R$     | 5            | V    |
| Power Dissipation          | $P_D$     | 130          | 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  | $V_F$           | $I_F=20mA$ | 1.8  | 2.1  | 2.6  | V    |
| DC Reverse Current  | $I_R$           | $V_R=5V$   | -    | -    | 10   | μA   |
| Domi. Wavelength*   | $\lambda_D$     | $I_F=20mA$ | 600  | 605  | 610  | nm   |
| Luminous Intensity* | $I_v$           | $I_F=20mA$ | 150  | 250  | -    | mcd  |
| 50% Power Angle     | $2\theta_{1/2}$ | $I_F=20mA$ | -    | 120  | -    | deg  |

\*1 Tolerance of measurements of dominant wavelength is  $\pm 1nm$

\*2 Tolerance of measurements of luminous intensity is  $\pm 15\%$

\*3 Tolerance of measurements of forward voltage is  $\pm 0.1V$

## ■ Maximum Forward Current

