

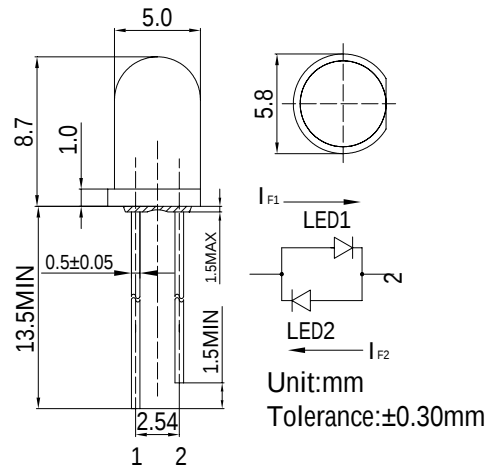
## ■Features

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

## ■Applications

- Toys
- Audio
- Games
- Other Lighting

## ■Outline Dimension



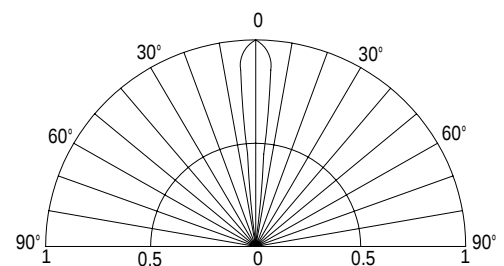
## ■Absolute Maximum Rating

(Ta=25 °C)

| Item                       | Symbol    | Value      |      | Unit |
|----------------------------|-----------|------------|------|------|
|                            |           | LED1       | LED2 |      |
| DC Forward Current         | $I_F$     | 30         | 30   | mA   |
| Pulse Forward Current*     | $I_{FP}$  | 100        | 100  | mA   |
| Reverse Voltage            | $V_R$     | 5          | 5    | V    |
| Power Dissipation          | $P_D$     | 108        | 108  | mW   |
| Operating Temperature      | $T_{opr}$ | -30 ~ +85  |      |      |
| Storage Temperature        | $T_{stg}$ | -40 ~ +100 |      |      |
| Lead Soldering Temperature | $T_{sol}$ | 260 /5sec  |      | -    |

\*Pulse width Max.10ms Duty ratio max 1/10

## ■Directivity



## ■Electrical -Optical Characteristics

(Ta=25 °C)

| Item                | NO.  | Symbol          | Condition     | Min.  | Typ.  | Max. | Unit |
|---------------------|------|-----------------|---------------|-------|-------|------|------|
| DC Forward Voltage  | LED1 | $V_{F1}$        | $I_{F1}=20mA$ | 2.9   | 3.1   | 3.6  | V    |
|                     | LED2 | $V_{F2}$        | $I_{F2}=20mA$ | 2.9   | 3.1   | 3.6  | V    |
| Domi. Wavelength*   | LED1 | $\lambda_{D1}$  | $I_{F1}=20mA$ | 520   | 525   | 530  | nm   |
|                     | LED2 | $\lambda_{D2}$  | $I_{F2}=20mA$ | 520   | 525   | 530  | nm   |
| Luminous Intensity* | LED1 | $I_{v1}$        | $I_{F1}=20mA$ | 18000 | 22000 | -    | mcd  |
|                     | LED2 | $I_{v2}$        | $I_{F2}=20mA$ | 18000 | 22000 | -    | mcd  |
| 50% Power Angle     | LED1 | $2\theta_{1/2}$ | $I_{F1}=20mA$ | -     | 15    | -    | deg  |
|                     | LED2 | $2\theta_{1/2}$ | $I_{F2}=20mA$ | -     | 15    | -    | deg  |

\*Tolerance of dominant chromaticity is ±10%

\*2 Tolerance of luminous intensity is ±15%