

## ■Features

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

## ■Applications

- Backlighting (switches, keys, displays, illuminated advertising etc.)
- Substitution of Micro Incandescent Lamps
- Reading Lamps / Emergency Lighting
- Marker lights (e.g. steps, exit ways, etc.)
- Other Lighting

## ■Absolute Maximum Rating

(Ta=25 °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          | $P_D$     | 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

## ■Electrical -Optical Characteristics

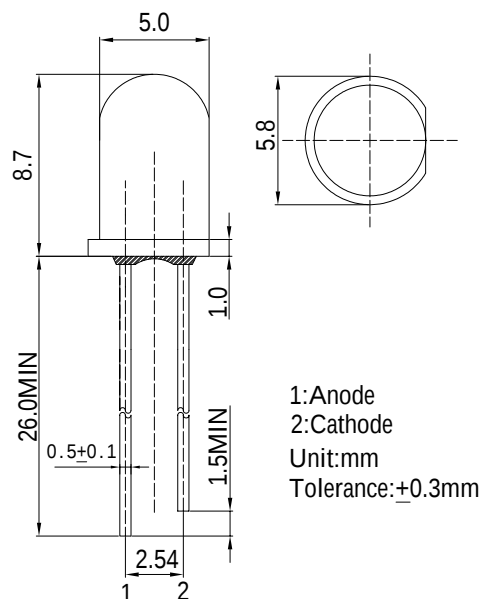
(Ta=25 °C)

| Item                      | Symbol          | Condition  | Min. | Typ. | Max. | Unit    |
|---------------------------|-----------------|------------|------|------|------|---------|
| DC Forward Voltage        | $V_F$           | $I_F=20mA$ | 2.8  | 3.1  | 3.6  | V       |
| DC Reverse Current        | $I_R$           | $V_R=5V$   | -    | -    | 10   | $\mu A$ |
| Luminous Flux             | $\Phi_v$        | $I_F=20mA$ | 4.0  | 4.4  | -    | lm      |
| Chromaticity Coordinates* | x               | $I_F=20mA$ | -    | 0.55 | -    |         |
|                           | y               | $I_F=20mA$ | -    | 0.36 | -    |         |
| 50% Power Angle           | $2\theta_{1/2}$ | $I_F=20mA$ | -    | 15   | -    | deg     |

\*1 Luminous Flux Measurement allowance is  $\pm 15\%$

\*2 Chromaticity Coordinates Measurement allowance is  $\pm 10\%$

## ■Outline Dimension



## ■Directivity

