

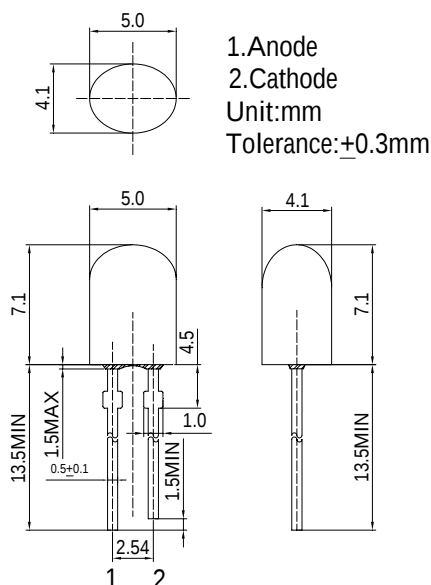
## ■ Features

- High Luminous LEDs
- 5.0\*4.1mm Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

## ■ Applications

- Display
- VMS (Variable message signs)
- Other Lighting

## ■ Outline Dimension



### ■Absolute Maximum Rating

(Ta=25 )

| Item                       | Symbol           | Value      | Unit |
|----------------------------|------------------|------------|------|
| DC Forward Current         | I <sub>F</sub>   | 30         | mA   |
| Pulse Forward Current*     | I <sub>FP</sub>  | 100        | mA   |
| Reverse Voltage            | V <sub>R</sub>   | 5          | V    |
| Power Dissipation          | P <sub>D</sub>   | 78         | mW   |
| Operating Temperature      | T <sub>opr</sub> | -40~+85    |      |
| Storage Temperature        | T <sub>stg</sub> | -40 ~ +100 |      |
| Lead Soldering Temperature | T <sub>sol</sub> | 260 /5sec  | -    |

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

## ■Electrical -Optical Characteristics

(Ta=25 )

| 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   | $\mu A$ |
| Domi. Wavelength*   | $\lambda_D$     | $I_F=20mA$ | 565  | 570   | 575  | nm      |
| Luminous Intensity* | $I_v$           | $I_F=20mA$ | 750  | 1000  | -    | mcd     |
| 50% Power Angle     | $2\theta_{1/2}$ | $I_F=20mA$ | -    | 70/40 | -    | deg     |

\*1 Tolerance of dominant wavelength is +1nm

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

## ■ Directivity

