

## ■Features

- High Luminous PLCC4 Power Top SMD LEDs
- 3.5x2.8x1.9mm Standard Directivity
- Superior Weather-resistance
- UV Resistant Silicone
- Water Clear Type

## ■Applications

- Signage and channel letter
- Decorating and entertainment lighting
- Architectural lighting
- Outdoor/Indoor applications
- Backlighting/Other Lighting

## ■Absolute Maximum Rating

(Ta=25 °C)

| Item                       | Symbol    | Value      | Unit |
|----------------------------|-----------|------------|------|
| DC Forward Current         | $I_F$     | 70         | mA   |
| Pulse Forward Current*     | $I_{FP}$  | 120        | mA   |
| Reverse Voltage            | $V_R$     | 5          | V    |
| Power Dissipation          | $P_D$     | 182        | 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

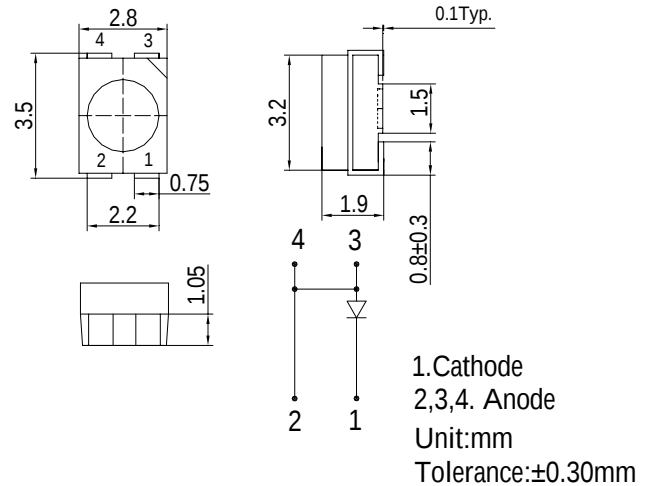
(Ta=25 °C)

| Item                | Symbol          | Condition  | Min. | Typ. | Max. | Unit    |
|---------------------|-----------------|------------|------|------|------|---------|
| DC Forward Voltage  | $V_F$           | $I_F=70mA$ | 2.0  | 2.3  | 2.6  | V       |
| DC Reverse Current  | $I_R$           | $V_R=5V$   | -    | -    | 10   | $\mu A$ |
| Domi. Wavelength*   | $\lambda_D$     | $I_F=70mA$ | 600  | 605  | 610  | nm      |
| Luminous Intensity* | $I_v$           | $I_F=70mA$ | 2180 | 2800 | -    | mcd     |
| 50% Power Angle     | $2\theta_{1/2}$ | $I_F=70mA$ | -    | 120  | -    | deg     |

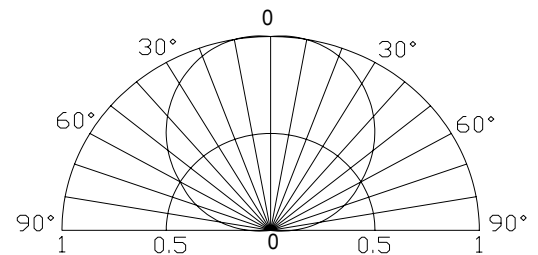
\*1 Tolerance of dominant wavelength is  $\pm 1nm$

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

## ■Outline Dimension



## ■Directivity



## ■Maximum Forward DC Current

Maximum Permissible Forward Current  $T_J=115^\circ C$

