

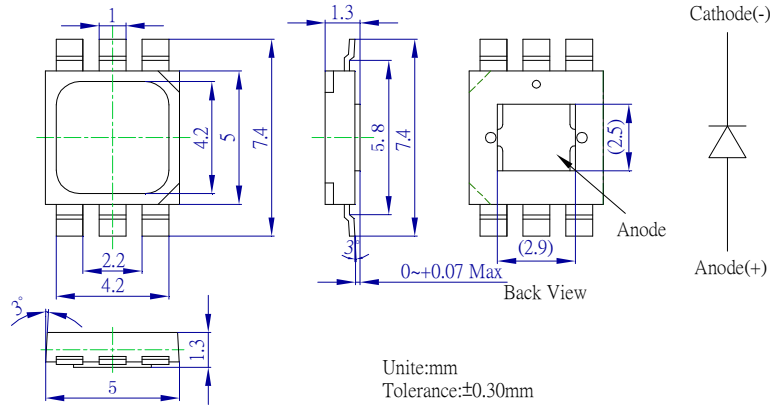
## ■Features

- Highest Luminous Flux
- Super Energy Efficiency
- Long Lifetime Operation
- Superior ESD protection
- Superior UV Resistance

## ■Applications

- Read lights (car, bus, aircraft)
- Portable (flashlight, bicycle)
- Bollards / Security / Garden
- Traffic signaling / Beacons
- In door / Out door Commercial lights
- Automotive Ext

## ■Outline Dimension



## ■Absolute Maximum Rating

(Ta=25°C)

| Item                       | Symbol    | Value      | Unit |
|----------------------------|-----------|------------|------|
| DC Forward Current         | $I_F$     | 400        | mA   |
| Pulse Forward Current*     | $I_{FP}$  | 500        | mA   |
| Reverse Voltage            | $V_R$     | 5          | V    |
| Power Dissipation          | $P_D$     | 1200       | 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

## ■Electrical -Optical Characteristics

(Ta=25°C)

| Item               | Symbol          | Condition   | Min. | Typ. | Max. | Unit |
|--------------------|-----------------|-------------|------|------|------|------|
| DC Forward Voltage | $V_F$           | $I_F=350mA$ | 2.0  | 2.5  | 3.0  | V    |
| DC Reverse Current | $I_R$           | $V_R=5V$    | -    | -    | 10   | μA   |
| Domi. Wavelength   | $\lambda_D$     | $I_F=350mA$ | 585  | 590  | 595  | nm   |
| Luminous Flux      | $\Phi_v$        | $I_F=350mA$ | 40   | 50   | -    | lm   |
| 50% Power Angle    | $2\theta_{1/2}$ | $I_F=350mA$ | -    | 120  | -    | deg  |

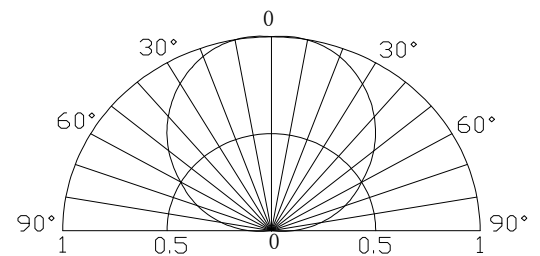
\*1 Tolerance of measurements of dominant wavelength is ±1nm

\*2 Tolerance of measurements of luminous flux is ±15%

\*3 Tolerance of measurements of forward voltage is ±0.1V

Note: Don't drive at rated current more than 5s without heat sink for Tops 1 emitter series.

## ■Directivity



## ■Forward Operating Current (DC)

