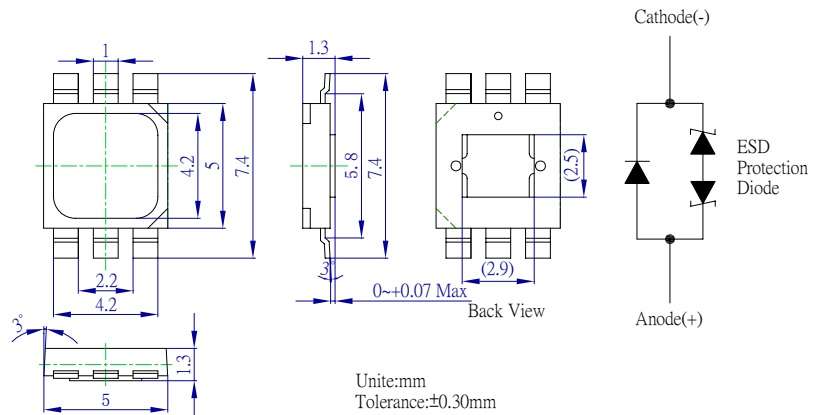


■Features

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

■Applications

- Road 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 | 200 | mA |
| Pulse Forward Current* | I_{FP} | 250 | mA |
| Reverse Voltage | V_R | 5 | V |
| Power Dissipation | P_D | 800 | mW |
| Operating Temperature | T_{opr} | -30 ~ +85 | °C |
| Storage Temperature | T_{stg} | -40 ~ +100 | °C |
| Lead Soldering Temperature | T_{sol} | 260°C/5sec | - |

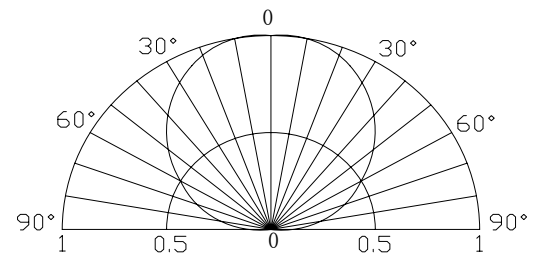
*Pulse width Max.10ms Duty ratio max 1/10

■Electrical -Optical Characteristics

(Ta=25°C)

| Item | Symbol | Condition | Min. | Typ. | Max. | Unit |
|---------------------------|-----------------|-------------|------|------|------|------|
| DC Forward Voltage | V_F | $I_F=150mA$ | 3.0 | 3.3 | 4.0 | V |
| DC Reverse Current | I_R | $V_R=5V$ | - | - | 10 | μA |
| Luminous Flux | Φ_v | $I_F=150mA$ | 20 | 30 | - | lm |
| Color Temperature | CCT | $I_F=150mA$ | - | 6500 | - | K |
| Chromaticity Coordinates* | x | $I_F=150mA$ | - | 0.31 | - | - |
| | y | $I_F=150mA$ | - | 0.33 | - | - |
| 50% Power Angle | $2\theta_{1/2}$ | $I_F=150mA$ | - | 120 | - | deg |

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

■Directivity

■Forward Operating Current (DC)
