

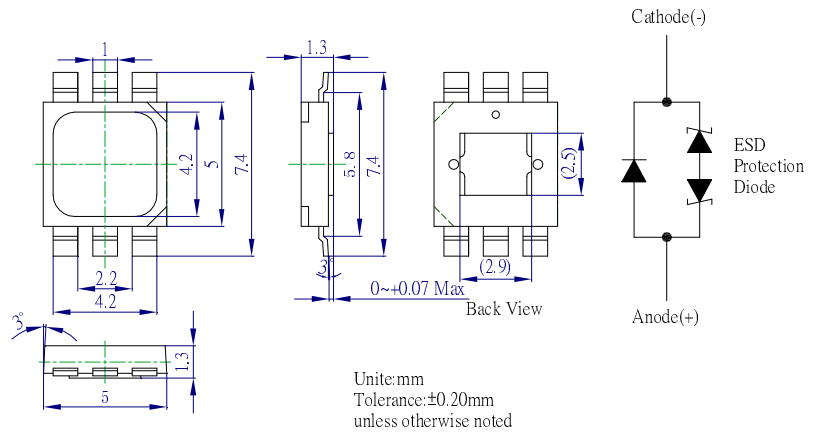
**■Features**

- Highest Radiant Power
- Super Energy Efficiency
- Superior ESD protection
- Superior UV Resistance

**■Applications**

- Money Detector
- UV-Curing
- Sensor light
- Photo-catalyst
- Other Lighting

**■Outline Dimension**

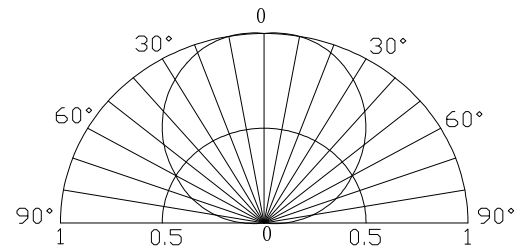


**■Absolute Maximum Rating (Ta=25°C)**

Item	Symbol	Value	Unit
DC Forward Current	I <sub>F</sub>	700	mA
Pulse Forward Current*	I <sub>FP</sub>	1000	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	3150	mW
Operating Temperature	T <sub>opr</sub>	-30 ~ +85	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100	°C
Lead Soldering Temperature	T <sub>sol</sub>	260°C/10sec	-

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

**■Directivity**



**■Electrical -Optical Characteristics (Ta=25°C)**

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =700mA	3.5	4.0	4.5	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	100	μA
Peak Wavelength*1	λ <sub>P</sub>	I <sub>F</sub> =700mA	360	365	370	nm
Radiant Power*2	P <sub>o</sub>	I <sub>F</sub> =700mA	100	150	-	mW
50% Power Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =700mA	-	120	-	deg

\*1 Tolerance of measurements of Peak Wavelength is ±1nm

\*2 Tolerance of measurements of Radiant Power 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 3 emitter series.