

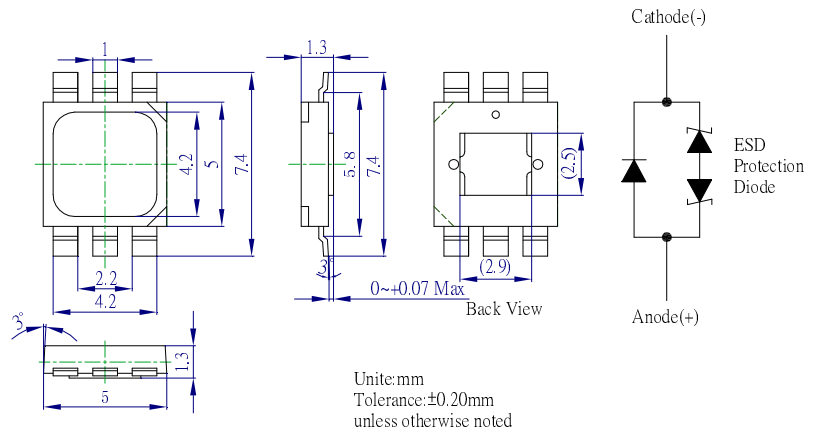
■Features

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

■Applications

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

■Outline Dimension



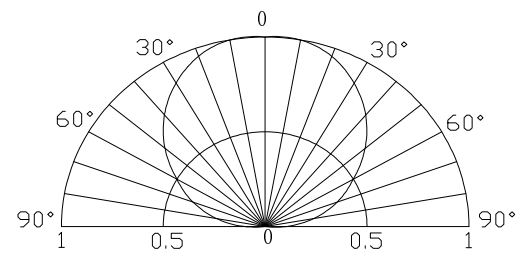
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	700	mA
Pulse Forward Current*	I _{FP}	1000	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	3150	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

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V _F	I _F =700mA	3.5	3.8	4.5	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Peak Wavelength	λ _P	I _F =700mA	380	385	390	nm
Radiant Power	P _O	I _F =700mA	550	600	-	mW
50% Power Angle	2θ _{1/2}	I _F =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.