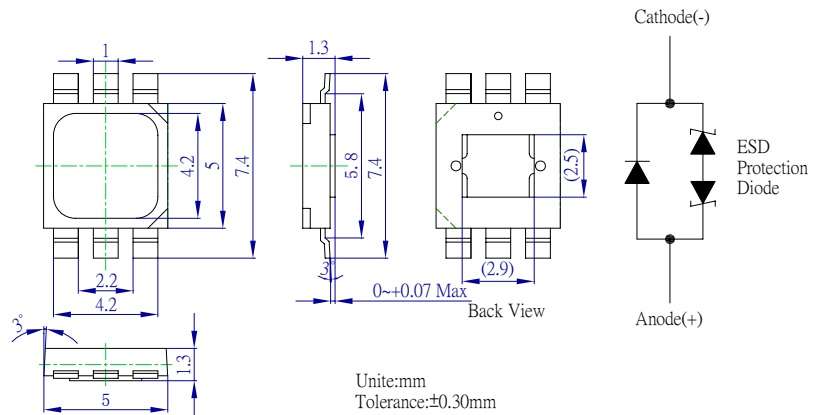


**■Features**

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

**■Applications**

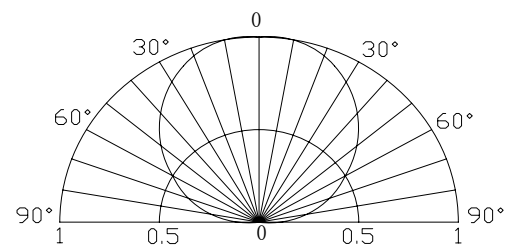
- Read lights (car, bus, aircraft)
- Portable (flashlight, bicycle)
- Bollards / Security / Garden
- Traffic signaling / Beacons
- In door / Out door Commercial lights
- Automotive Ext

**■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	$P_D$	1600	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	$V_F$	$I_F=350\text{mA}$	3.0	3.3	4.0	V
DC Reverse Current	$I_R$	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength	$\lambda_D$	$I_F=350\text{mA}$	520	525	530	nm
Luminous Flux	$\Phi_v$	$I_F=350\text{mA}$	70	80	-	lm
50% Power Angle	$2\theta_{1/2}$	$I_F=350\text{mA}$	-	120	-	deg

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

**■Forward Operating Current (DC)**
