

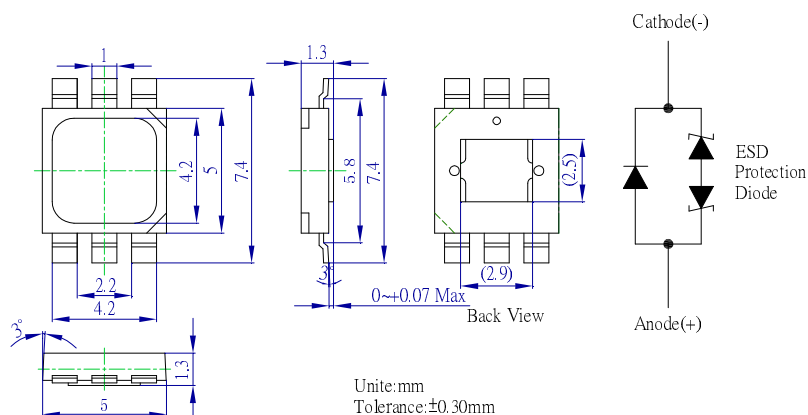
■Features

- 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

($T_a = 25^\circ\text{C}$)

Item	Symbol	Value	Unit
DC Forward Current	I_F	800	mA
Pulse Forward Current*	I_{FP}	1000	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	3200	mW
Operating Temperature	T_{opr}	$-30 \sim +85$	$^\circ\text{C}$
Storage Temperature	T_{stg}	$-40 \sim +100$	$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	$260^\circ\text{C}/5\text{sec}$	-

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

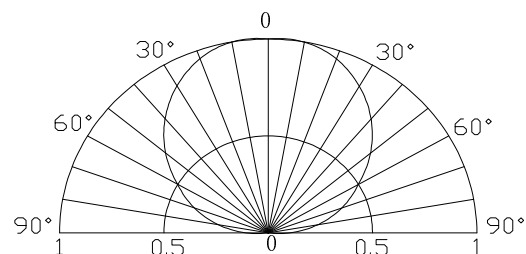
■Electrical -Optical Characteristics

($T_a = 25^\circ\text{C}$)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	$I_F = 700\text{mA}$	3.0	3.3	4.0	V
DC Reverse Current	I_R	$V_R = 5\text{V}$	-	-	10	μA
Domi. Wavelength	λ_D	$I_F = 700\text{mA}$	455	460	465	nm
Luminous Flux	Φ_v	$I_F = 700\text{mA}$	20	30	-	lm
50% Power Angle	$2\theta_{1/2}$	$I_F = 700\text{mA}$	-	120	-	deg

Note: Don't drive at rated current more than 5s without heat sink for Tops 3 emitter series.

■Directivity



■Forward Operating Current (DC)

