

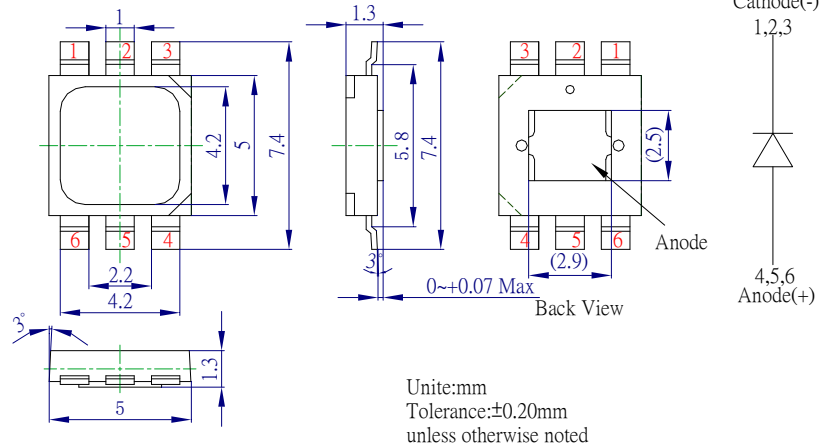
■Features

- High luminous flux
- Super energy efficiency
- Very long operating life (up to 100K hours)
- Superior ESD protection
- No UV

■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



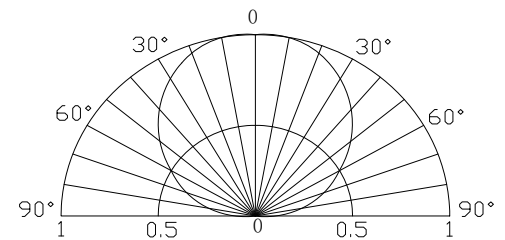
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	800	mA
Pulse Forward Current#	I _{FP}	1000	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	2800	mW
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T _{sol}	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 _F	I _F =350mA I _F =700mA	2.0 2.5	2.5 2.8	3.0 3.5	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength	λ _D	I _F =700mA	585	590	595	nm
Luminous Flux	Φ _V	I _F =700mA	70	80	-	lm
50% Power Angle	2θ _{1/2}	I _F =700mA	-	120	-	deg

*1 Tolerance of measurements of dominant wavelength is ±1nm

*2 Tolerance of measurements of luminous flux 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.

■Forward Operating Current (DC)

