

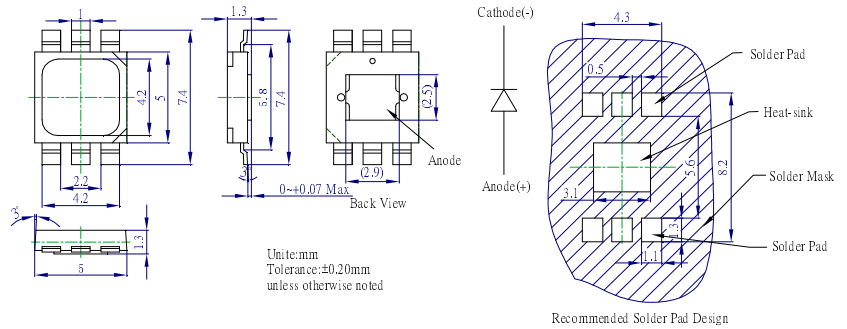
■Features

- Highest luminous flux
- Super energy efficiency
- Long Lifetime Operation
- Superior ESD protection
- Superior UV Resistance

■Applications

- Green House Applications
- Red : Blue LED Iv Ratio is 8:1*

■Outline Dimension



*The ratio is summarized by the photosynthesis test on Phalaenopsis and provided from plant workshop in Taiwan.

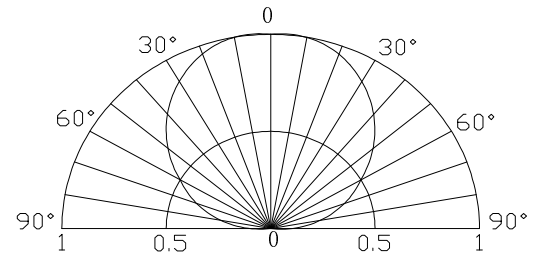
■Absolute Maximum Rating (Ta=25°C)

(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	2100	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)

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V _F	I _F =700mA	2.2	2.5	3.0	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Peak Wavelength	λ _P	I _F =700mA	720	730	740	nm
Radiant Power	P _o	I _F =700mA	400	500	-	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.

■Spectral curve

