

■Features

- High Luminous PLCC6 Top SMD LEDs
- 5.0x5.0x1.5mm Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

■Applications

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

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

■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	90	mA
Pulse Forward Current*	I _{FP}	300	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	234	mW
Operating Temperature	Topr	-30 ~ +85	°C
Storage Temperature	Tstg	-40~ +100	°C
Lead Soldering Temperature	Tsol	260°C/5sec	-

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

■Electrical -Optical Characteristics

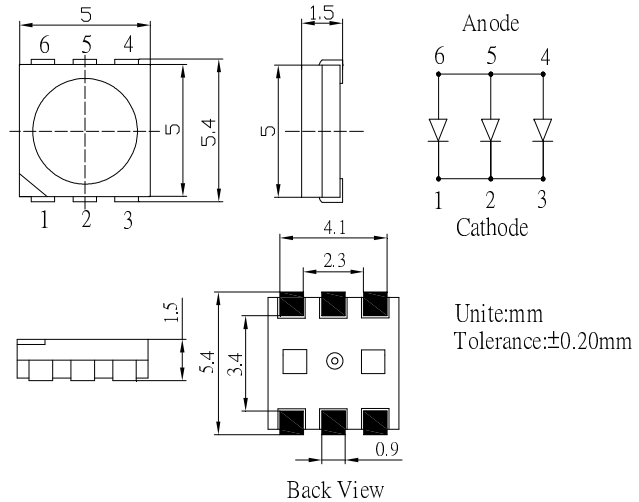
(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V _F	I _F =60mA	1.8	2.1	2.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Peak Wavelength*	λ _D	I _F =60mA	650	660	670	nm
Radiant flux	Φ _e	I _F =60mA	21	30	-	mW
Luminous Intensity*	I _v	I _F =60mA	2180	3000	-	mcd
50% Power Angle	2θ _{1/2}	I _F =60mA	-	120	-	deg

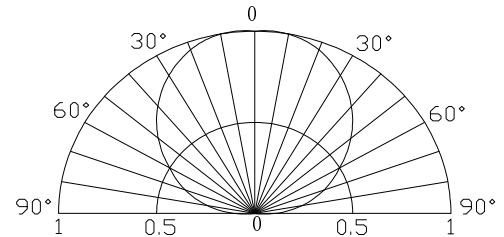
*1 Peak wavelength Measurement allowance is ±1nm

*2 Luminous intensity Measurement allowance is +15%

■Outline Dimension



■Directivity



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