

■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)

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	T_{opr}	-30 ~ +85	
Storage Temperature	T_{stg}	-40~ +100	
Lead Soldering Temperature	T_{sol}	260 /5sec	-

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

■Electrical -Optical Characteristics

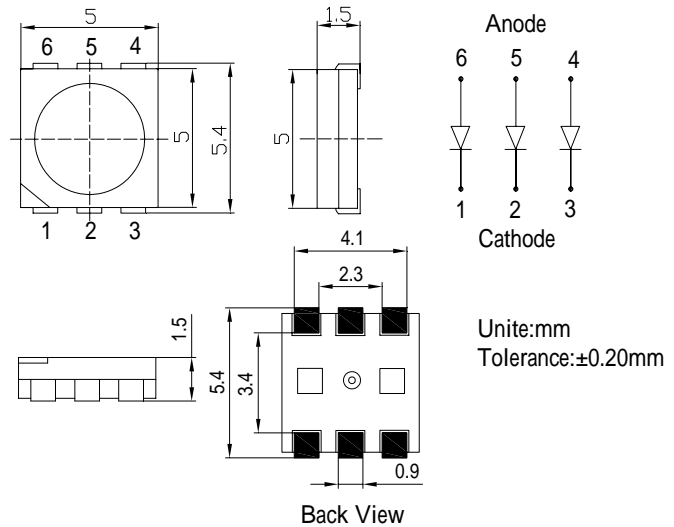
(Ta=25)

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	e	$I_F=60mA$	21	27	-	mW
Luminous Intensity*	I_v	$I_F=60mA$	2180	2560	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=60mA$	-	120	-	deg

*1 Tolerance of Peak wavelength is $\pm 1nm$

*2 Tolerance of luminous intensity is $\pm 15\%$

■Outline Dimension



■Directivity

