

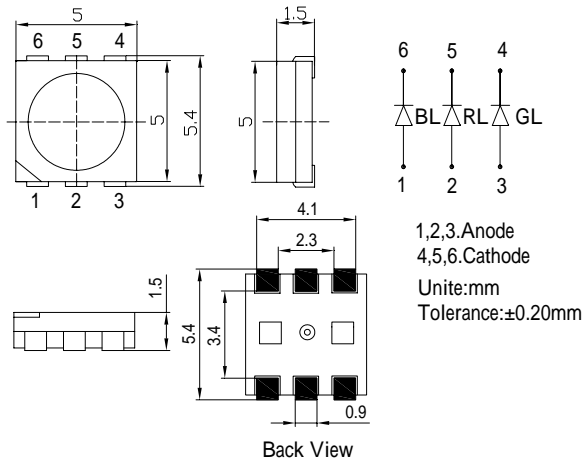
■Features

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

■Applications

- Toys/Games/Audio
- Small Area Illuminations
- Back Lighting/Other Lighting

■Outline Dimension

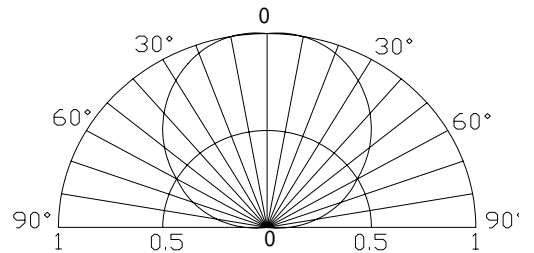


■Absolute Maximum Rating

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

Item	Symbol	Value		Unit
		Red	Green/Blue	
DC Forward Current	I_F	50	30	mA
Pulse Forward Current*	I_{FP}	120	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	130	108	mW
Operating Temperature	T_{opr}	-30 ~ +85		
Storage Temperature	T_{stg}	-40 ~ +100		
Lead Soldering Temperature	T_{sol}	260 /5sec		-

■Directivity



*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	$V_F(R)$	$I_F=20\text{mA}$	1.8	2.1	2.6	V
	$V_F(B/G)$	$I_F=20\text{mA}$	2.9	3.1	3.6	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength*	$\lambda_D(\text{Red})$	$I_F=20\text{mA}$	620	625	630	nm
	$\lambda_D(\text{Green})$	$I_F=20\text{mA}$	520	525	530	nm
	$\lambda_D(\text{Blue})$	$I_F=20\text{mA}$	465	470	475	nm
Luminous Intensity*	$I_v(\text{Red})$	$I_F=20\text{mA}$	750	1000	-	mcd
	$I_v(\text{Green})$	$I_F=20\text{mA}$	750	1120	-	mcd
	$I_v(\text{Blue})$	$I_F=20\text{mA}$	220	400	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	120	-	deg

*1 Tolerance of dominant wavelength is $\pm 1\text{nm}$

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