

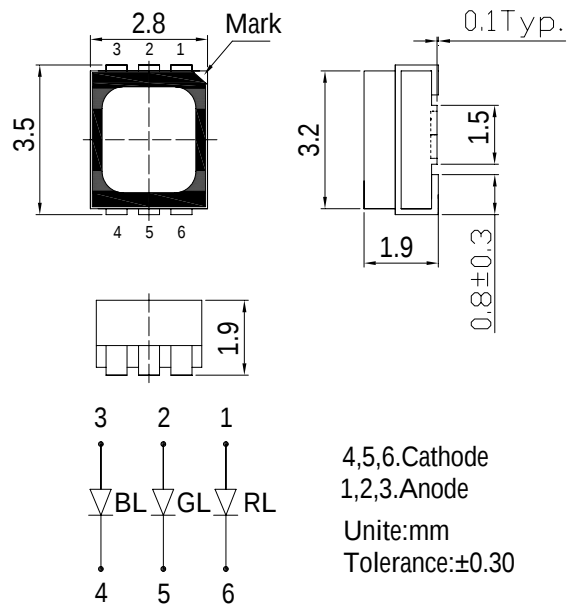
■Features

- High Luminous PLCC6 Top SMD LEDs
- 3.5x2.8x1.9mm Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- White Diffused Type
- Higher Contrast by a black surface(RGB-Displays)

■Applications

- Indoor and outdoor display(e.g. displays for traffic light writing displays)
- LED Chips can be controlled separately to display various colors including white
- Full Color Displays, RGB-Displays
- Backlighting (LCD, Switches keys, displays, Illuminated advertising, general lighting)
- Coupling into light guides

■Outline Dimension

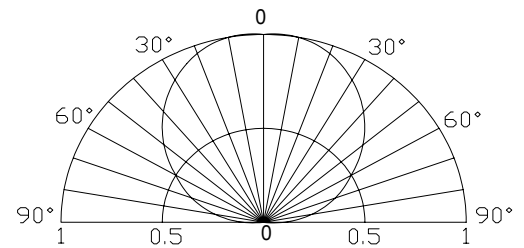


■Absolute Maximum Rating (Ta=25 °C)

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		-

*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	$V_F(R)$	$I_F=20mA$	1.8	2.1	2.6	V
	$V_F(B/G)$	$I_F=20mA$	2.9	3.1	3.6	V
DC Reverse Current	I_R	$V_R=5V$	-	-	10	μA
Domi. Wavelength*	$\lambda_D(Red)$	$I_F=20mA$	620	625	630	nm
	$\lambda_D(Green)$	$I_F=20mA$	520	525	530	nm
	$\lambda_D(Blue)$	$I_F=20mA$	465	470	475	nm
Luminous Intensity*	$I_v(Red)$	$I_F=20mA$	330	450	-	mcd
	$I_v(Green)$	$I_F=20mA$	500	700	-	mcd
	$I_v(Blue)$	$I_F=20mA$	150	250	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20mA$	-	120	-	deg

*1 Tolerance of dominant wavelength is ±1nm

*2 Tolerance of luminous intensity is ±15%