

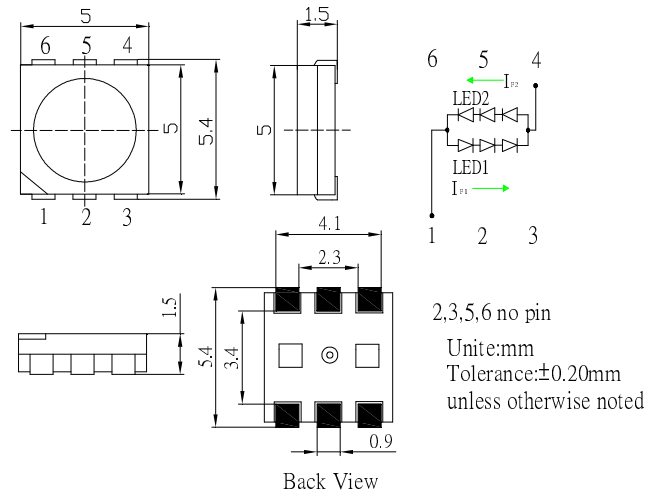
■Features

- High Luminous PLCC6 Top SMD LEDs
- 5.0x5.0x1.5mm Standard Directivity
- Superior Weather-resistance
- Superior UV Resistant
- AC LED

■Applications

- Backlighting (switches, keys, displays, illuminated advertising etc.)
- Substitution of Micro Incandescent Lamps
- Reading Lamps / Emergency Lighting
- Marker lights (e.g. steps, exit ways, etc.)
- Other Lighting

■Outline Dimension



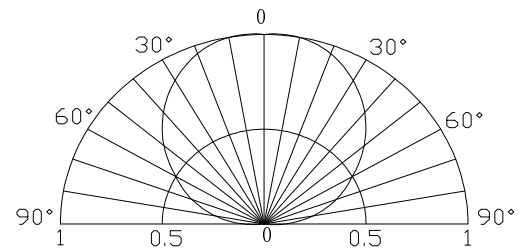
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/M/B/PG	Y/O/R	
DC Forward Current	I _F	30	50	mA
Pulse Forward Current*	I _{FP}	100	120	mA
Reverse Voltage	V _R	15	15	V
Power Dissipation	P _D	306	360	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)

Part Number	Color			V _F (V)			I _v (mcd)			λD(nm)			2θ1/2(deg)
				Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =20mA			I _F =20mA						
OSWW42S4C1A	White/	W		8.1	8.7	10.2	4200	5800	-	CCT: 8000-18000K			120
OSMM42S4C1A	Warm white	M	■	8.1	8.7	10.2	4200	5800	-	CCT:2500-3500K			120
OSBBS2S4C1A	Blue	B	■	8.1	8.7	10.2	750	1120	-	465	465	475	120
OSPPD2S4C1A	Pure Green	PG	■	8.1	8.7	10.2	3000	4200	-	520	525	530	120
OSYYM2S4C1A	Yellow	Y	■	5.4	6.3	7.2	1560	2180	-	585	590	595	120
OSOOA2S4C1A	Orange	O	■	5.4	6.3	7.2	2180	3000	-	600	605	610	120
OSRRM2S4C1A	Red	R	■	5.4	6.3	7.2	1560	2180	-	620	625	630	120

*1 Tolerance of measurements of Domi. wavelength is ±1nm
 *2 Tolerance of measurements of chromaticity coordinates is ±10%
 *3 Tolerance of measurements of luminous intensity is ±15%
 *4 Tolerance of measurements of forward voltage is ±0.1V