

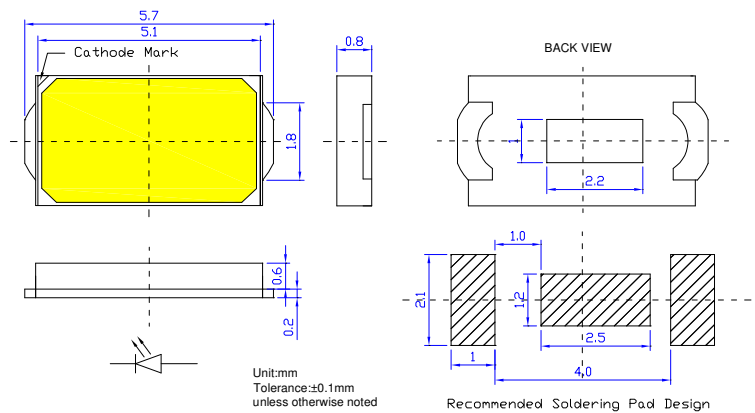
■Features

- Top view white LED (5.7x3.0x0.8mm)
- Super high brightness of surface mount LED
- Lead frame package with individual 2 pins
- ESD protection
- Compatible to IR reflow soldering.

■Applications

- General lighting
- Decoration lighting
- Indicator

■Outline Dimension



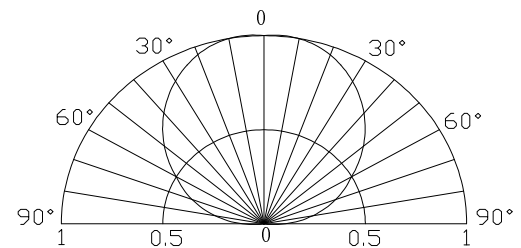
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	150	mA
Pulse Forward Current*	I _{FP}	200	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	540	mW
Operating Temperature	T _{opr}	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40~ +85	°C
Lead Soldering Temperature	T _{sol}	260°C/10sec	-

*Pulse width Max 0.1ms, Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color		V _F (V)			I _R (μA)	Φ _v (lm)			CCT			2θ1/2(deg)
			Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
			I _F =150mA			V _R =5V	I _F =150mA						
OSW45730C1A-150mA	White	W	2.8	3.2	3.6	10	60	-	65	6000K	-	6500K	120
OSM55730C1A-150MA	Warm White	M	2.8	3.2	3.6	10	55	-	60	2900K	-	3100K	120
OSM65730C1A-150MA	Nature White	W	2.8	3.2	3.6	10	60	-	65	3800K	-	4300K	120

*1 Tolerance of measurements of chromaticity coordinates is ±10%

*2 Tolerance of measurements of luminous flux is ±15%

*3 Tolerance of measurements of forward voltage is ±0.1V