5x5x1.5mm Cool White Top SMD LED

OSW44TS4C1A

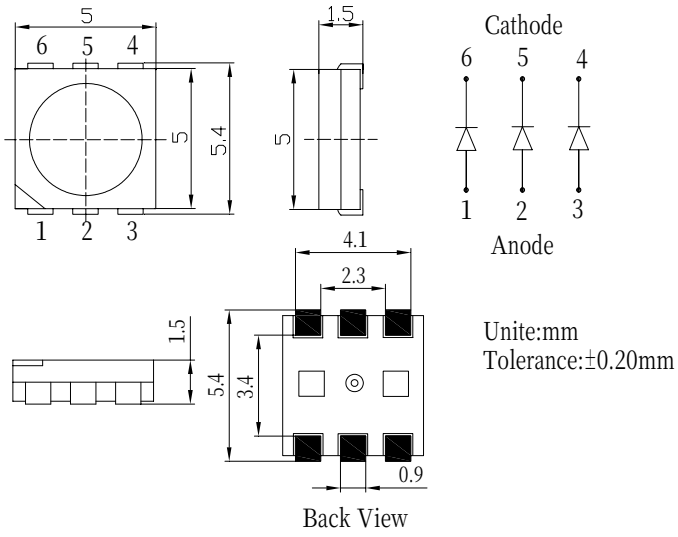
■Features

- High Luminous PLCC6 Top SMD LEDs
- 5.0x5.0x1.5mm Standard Directivity
- Long lifetime Operation
- Superior Weather-resistance
- Yellow Diffused Type

■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

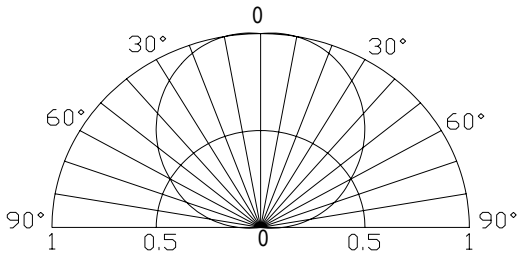


■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	80	mA
Pulse Forward Current*	I_{FP}	120	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	288	mW
Operating Temperature	Topr	-30 ~ +85	℃
Storage Temperature	Tstg	-40~ +100	℃
Lead Soldering Temperature	Tsol	260℃/5sec	-

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

■Directivity



■Electrical -Optical Characteristics (Ta=25℃)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	I_F=60mA	3.0	3.2	3.6	V
DC Reverse Current	I_R	V_R=5V	-	-	30	μA
Luminous Intensity*	Iv	I_F=60mA	8400	10000	-	mcd
Luminous Flux	Φv	I_F=60mA	17	20	-	lm
Color Temperature	CCT	I_F=60mA	-	6500	-	K
Chromaticity Coordinate*	x	I_F=60mA	-	0.31	-	
	y	I_F=60mA	-	0.33	-	
50% Power Angle	$2\theta_{1/2}$	I_F=60mA	-	120	-	deg

*1 Tolerance of chromaticity coordinate is ±10%
*2 Tolerance of luminous intensity is ±15%

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