OptoSupply
Light It Up

5x5x1.5mm Yolk Top SMD LED

OSCM4TS4C1A

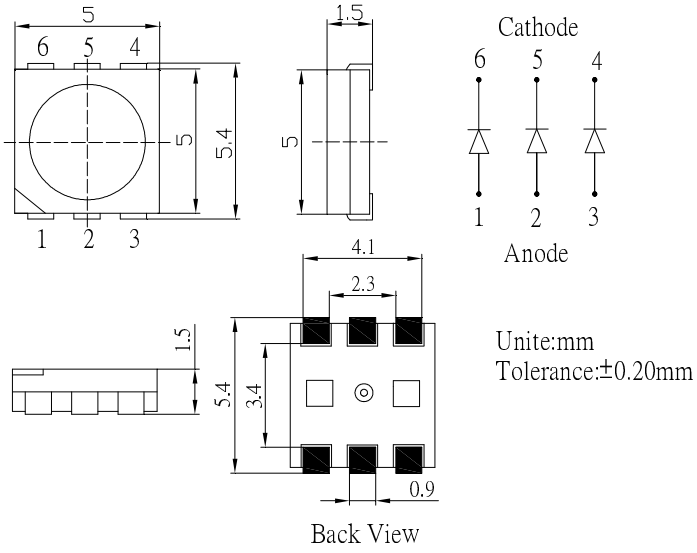
■Features

- 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

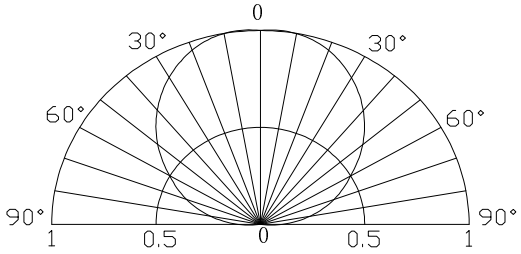


■Absolute Maximum Rating (Ta=25℃)

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	2.8	3.1	3.6	V
DC Reverse Current	I_R	V_R=5V	-	-	30	μA
Luminous Flux	Φv	I_F=60mA	22	24.5	-	lm
Chromaticity Coordinate*	x	I_F=60mA	-	0.45	-	
	y	I_F=60mA	-	0.47	-	
50% Power Angle	$2\theta_{1/2}$	I_F=60mA	-	120	-	deg

*1 Tolerance of measurements of chromaticity coordinate is ±10%
*2 Tolerance of measurements of luminous flux is ±15%
*3 Tolerance of measurements of forward voltage is±0.1V