3.5x2.8x1.9mm Pure White Power Top SMD LED

OSW44DS3C1A

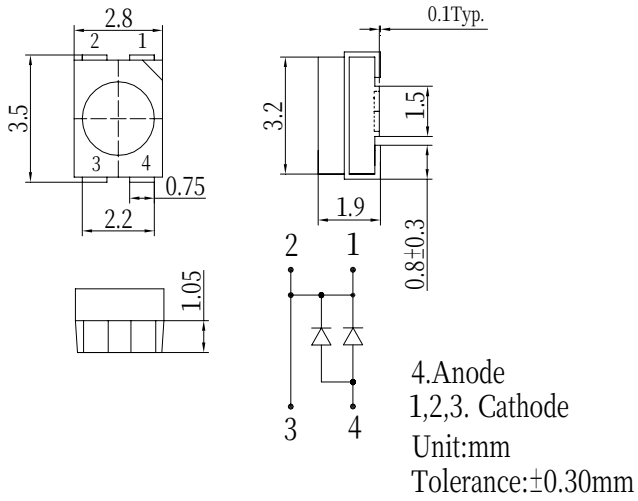
■Features

- High Luminous PLCC4 Power Top SMD LEDs
- 3.5x2.8x1.9mm Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- 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

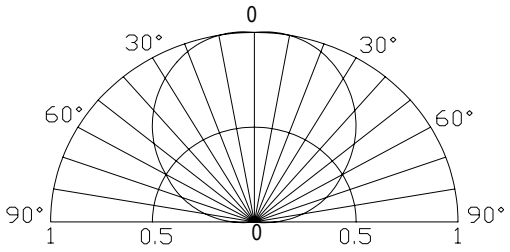


■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	60	mA
Pulse Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	216	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=50mA	2.9	3.1	3.6	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Luminous Flux*	Φv	I_F=50mA	-	15	-	lm
Color Temperature	CCT	I_F=50mA	-	6500	-	K
Chromaticity Coordinates*	x	I_F=50mA	-	0.31	-	
	y	I_F=50mA	-	0.33	-	
50% Power Angle	$2\theta_{1/2}$	I_F=50mA	-	120	-	deg

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