OptoSupply
Light It Up

3.5x2.8x1.9mm Warm White Top SMD LED

OSM543S3C1A

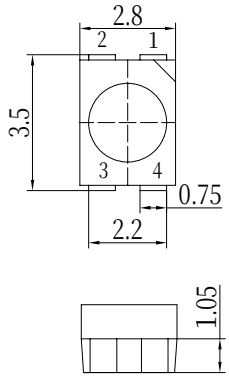
■Features

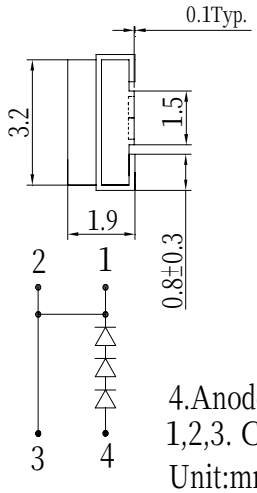
- High Luminous PLCC4 Top SMD LEDs
- 3.5x2.8x1.9mm Standard Directivity
- Long lifetime Operation
- Superior Weather-resistance
- Water Clear Type

■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





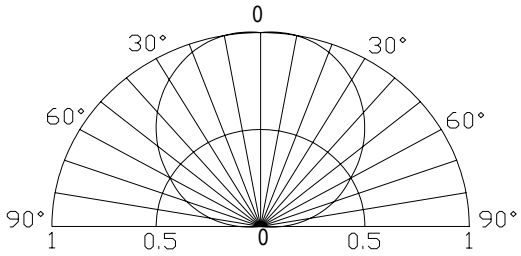
4.Anode
1,2,3. Cathode
Unit:mm
Tolerance:±0.30mm

■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	30	mA
Pulse Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	15	V
Power Dissipation	P_D	324	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=20mA	8.7	9.3	10.8	V
DC Reverse Current	I_R	V_R=15V	-	-	10	μA
Luminous Flux	Φv	I_F=20mA	-	18	-	lm
Luminous Intensity*	Iv	I_F=20mA	6000	7400	-	mcd
Color Temperature	CCT	I_F=20mA	-	3000	-	K
Chromaticity Coordinate*	x	I_F=20mA	-	0.45	-	
	y	I_F=20mA	-	0.41	-	
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	120	-	deg

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