OptoSupply

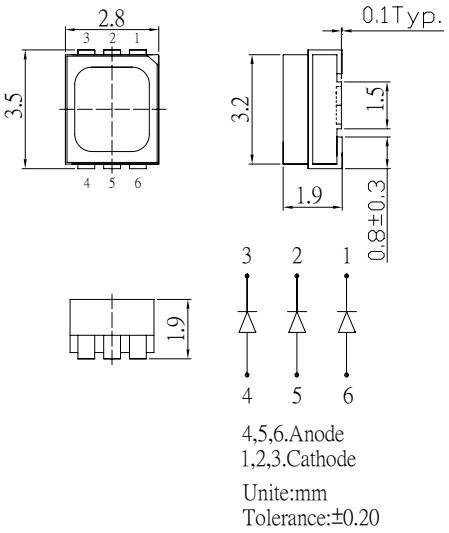
3.5x2.8x1.9mm Pure White Top SMD LED

OSW5DTS5C1A

▪Features

- High Luminous PLCC6 Top SMD LEDs
- 3.5x2.8x1.9mm Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Yellow Diffused Type

▪Outline Dimension



4,5,6.Anode
1,2,3.Cathode
Unite:mm
Tolerance:±0.20

▪Applications

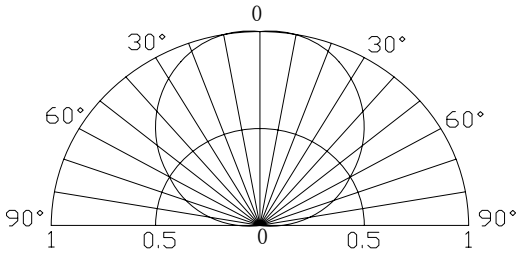
- Backlighting (switches, keys, displays, illuminated advertising etc.)
- Substitution of Micro Incandescent Lamps
- Reading Lamps / Emergency Lighting
- Marker lights (e.g. steps, exit ways, etc.)
- Other Lighting

▪Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	75	mA
Pulse Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	270	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	-	-	10	μA
Luminous Intensity*	Iv	I_F=60mA	3000	4500	-	mcd
Chromaticity Coordinate*	x	I_F=60mA	-	0.27	-	
	y	I_F=60mA	-	0.28	-	
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%

LED & Application Technologies

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES