OptoSupply

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

OSW5DLS3C1A

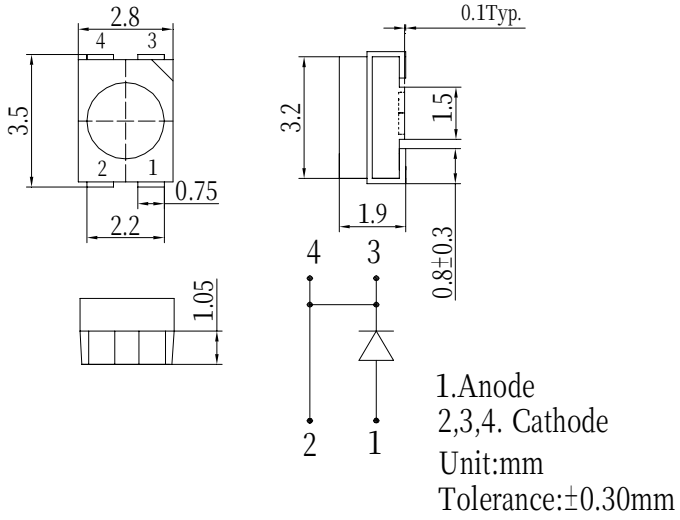
▪Features

- High Luminous PLCC4 Power Top SMD LEDs
- 3.5x2.8x1.9mm Standard Directivity
- Long Lifetime Operation (Up to 100,000hours)
- Superior Weather-resistance
- UV Resistant Epoxy

▪Applications

- Automotive Dashboard Lighting
- Traffic Signal Lamp
- Back Lighting
- Other Lighting

▪Outline Dimension

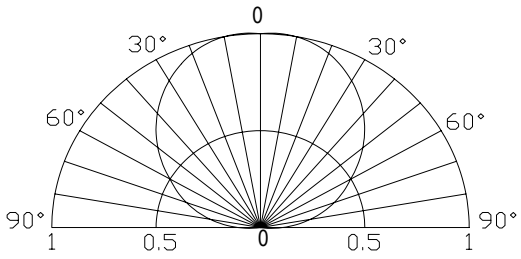


▪Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	35	mA
Pulse Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	133	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=30mA	3.0	3.3	3.8	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Luminous Intensity*	Iv	I_F=30mA	-	2500	-	mcd
Chromaticity Coordinates*	x	I_F=30mA	-	0.27	-	
	y	I_F=30mA	-	0.28	-	
50% Power Angle	$2\theta_{1/2}$	I_F=30mA	-	120	-	deg

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

LED & Application Technologies

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES