OptoSupply
Light It Up

4.8mm Straw Pure White 9V LED

OS4WPL56D1A

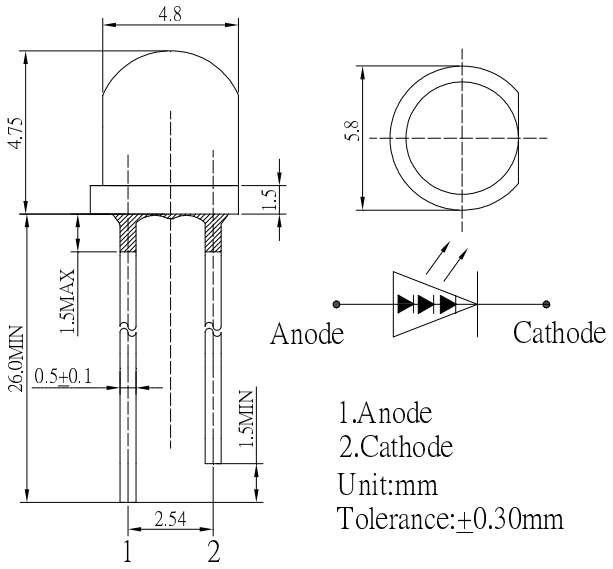
■Features

- High luminous Flux LEDs
- 4.8mm Straw Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

■Applications

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

■Outline Dimension

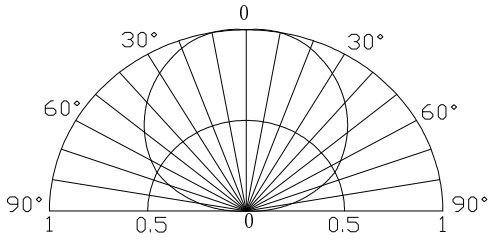


■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	25	mA
Pulse Forward Current*	I_{FP}	120	mA
Reverse Voltage	V_R	15	V
Power Dissipation	P_D	255	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	8.4	8.9	10.2	V
DC Reverse Current	I_R	V_R=15V	-	-	10	μA
Luminous Flux	Φv	I_F=20mA	22	25	-	lm
Luminous Intensity	Iv	I_F=20mA	5000	5800	-	mcd
Color Temperature	CCT	I_F=20mA	5500	6500	8500	K
Chromaticity Coordinates*	x	I_F=20mA	-	0.31	-	
	y	I_F=20mA	-	0.33	-	
50% Power Angle	2θ1/2	I_F=20mA	-	130	-	deg

*1 Luminous Intensity Measurement allowance is ±15%
*2 Chromaticity Coordinates Measurement allowance is ±10%

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES