OptoSupply
Light It Up

4.8mm Straw Pure White LED
OSW4G456F1A

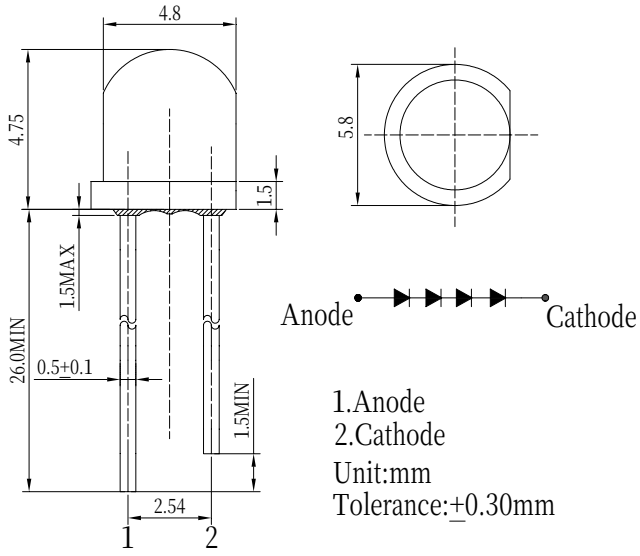
■Features

- Higher Luminous Output
- 4.8mm Straw Standard Directivity
- Superior Weather-resistance
- Long Lifetime Operation
- Water Clear Type

■Applications

- Electronic Signs And Signals
- Illuminations
- Reading Lamps / Emergency Lighting
- Other Lighting

■Outline Dimension



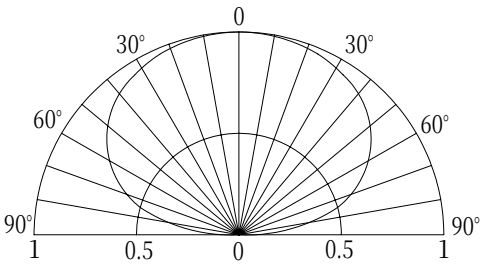
1.Anode
2.Cathode
Unit:mm
Tolerance:±0.30mm

■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	20	mA
Pulse Forward Current*	I_{FP}	40	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	272	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	11.6	12.0	13.6	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Luminous Flux	Φv	I_F=20mA	28	30	-	lm
Color Temperature	CCT	I_F=20mA	-	6500	-	K
Chromaticity Coordinate*2	x	I_F=20mA	-	0.31	-	
	y	I_F=20mA	-	0.33	-	
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	150	-	deg

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