OptoSupply
Light It Up

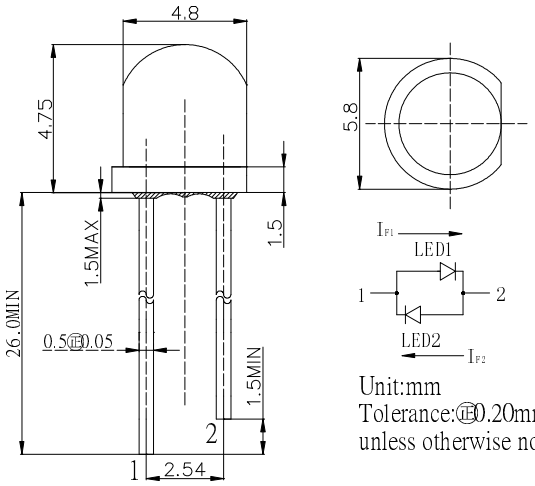
4.8mm Straw White AC LED

OSWWD256A1A

▪Features

- High Luminous LEDs
- 4.8mm Straw Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

▪Outline Dimension



Unit:mm
Tolerance:±0.20mm
unless otherwise noted

▪Applications

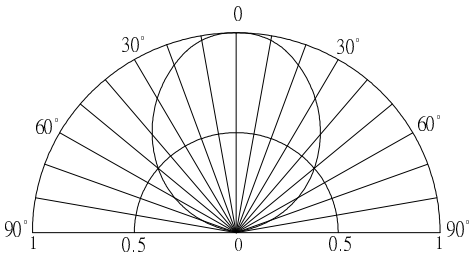
- Toys
- Audio
- Games
- Other Lighting

▪Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value		Unit
		LED1	LED2	
DC Forward Current	I_F	30	30	mA
Pulse Forward Current*	I_{FP}	100	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	102	102	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	NO.	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	LED1	V_{F1}	I_{F1}=20mA	-	2.9	3.4	V
	LED2	V_{F2}	I_{F2}=20mA	-	2.9	3.4	V
Chromaticity Coordinates*	LED	x	I_F=20mA	-	0.27	-	
		y	I_F=20mA	-	0.28	-	
Luminous Intensity *	LED1	I_{V1}	I_{F1}=20mA	2180	3000	-	mcd
	LED2	I_{V2}	I_{F2}=20mA	2180	3000	-	mcd
50% Power Angle	LED1	$2\theta_{1/2}$	I_{F1}=20mA	-	100	-	deg
	LED2	$2\theta_{1/2}$	I_{F2}=20mA	-	100	-	deg

*1 Tolerance of measurements of chromaticity coordinates is ±10%
*2 Tolerance of measurements of luminous intensity is ±15%
*3 Tolerance of measurements of forward voltage is ±0.1V