

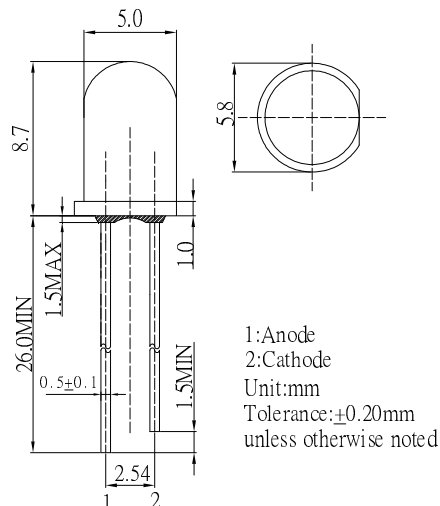
■ Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- UV Resistant Epoxy
- Water Clear Type
- High Voltage Operation

■ 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

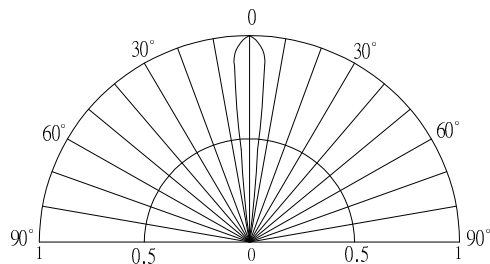


■ Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	20	mA
Pulse Forward Current#	I_{FP}	100	mA
Reverse Voltage	V_R	10	V
Power Dissipation	P_D	130	mW
Operating Temperature	T_{opr}	-30 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T_{sol}	260 °C/5sec	-

#Pulse width Max 10ms , Duty ratio max 1/10

■ Directivity



■ Electrical -Optical Characteristics (Ta=25°C)

Part Number	Color			V_F (V)*1			I_R (μA)	Φ_V (LM)*2			I_v (mcd)*3			CCT(K)*4/x,y*5			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=15$ mA			$V_R=10$ V	$I_F=15$ mA									
OSW56V5111A	Cool White	W		5.5	6	6.5	10	7.5	9	-	60000	70000	-	8500-10000-18000K(X:0.27,Y:0.28)			15
OSW46V5111A	Pure White	W		5.5	6	6.5	10	7.5	9	-	60000	70000	-	5500-6500-8500K(X:0.31,Y:0.34)			15
OSM56V5111A	Warm White	M		5.5	6	6.5	10	7	8.5	-	55000	65000	-	2700-3000-3200K(X:0.44,Y:0.41)			15

*1 Tolerance of measurements of forward voltage is ± 0.1 V

*2 Tolerance of measurements of luminous flux is $\pm 15\%$

*3 Tolerance of measurements of luminous intensity is $\pm 15\%$

*4 Tolerance of measurements of color temperature is $\pm 10\%$

*5 Tolerance of measurements of chromaticity coordinate is $\pm 10\%$