

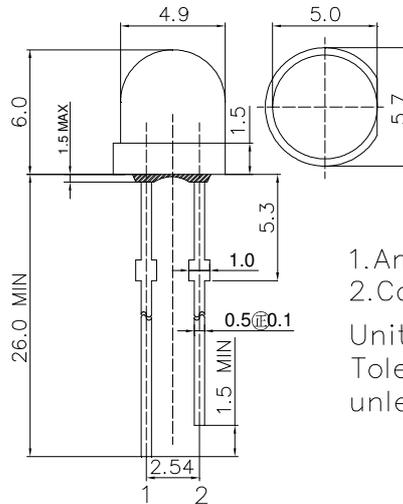
■ **Features**

- High Luminous LEDs
- 5mm Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- Water Clear Type

■ **Applications**

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

■ **Outline Dimension**

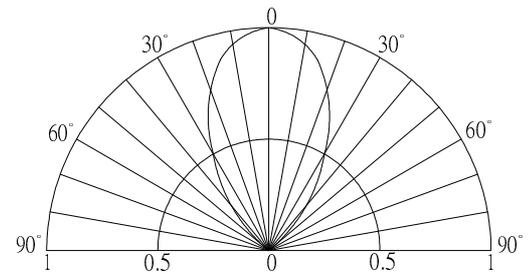


1. Anode  
2. Cathode  
Unit: mm  
Tolerance:  $\pm 0.20$ mm  
unless otherwise noted

■ **Absolute Maximum Rating** (Ta=25°C)

Item	Symbol	Value		Unit
		W/M/B/G	Y/O/R	
DC Forward Current	I <sub>F</sub>	30	30	mA
Pulse Forward Current#	I <sub>FP</sub>	100	100	mA
Reverse Voltage	V <sub>R</sub>	5	5	V
Power Dissipation	P <sub>D</sub>	102	72	mW
Operating Temperature	T <sub>opr</sub>	-30 ~ +85		°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100		°C
Lead Soldering Temperature	T <sub>sol</sub>	260°C/5sec		-

■ **Directivity**



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

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

Part Number	Color		V <sub>F</sub> (V)*			I <sub>R</sub> (μA)	I <sub>v</sub> (mcd)*			W <sub>d</sub> (nm)*			2θ1/2(deg)
			Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
			I <sub>F</sub> =20mA			V <sub>R</sub> =5V		I <sub>F</sub> =20mA					
OSW5DK5W61C	Cool White	W	-	2.9	3.4	10	5800	7000	-	8500-18000K(X:0.27,Y:0.28)			60
OSW4DK5W61C	Pure White	W	-	2.9	3.4	10	5800	7000	-	5500-8500K(X:0.31,Y:0.33)			60
OSM5DK5W61C	Warm White	M	-	2.9	3.4	10	4200	5800	-	2700-3300K(X:0.44,Y:0.41)			60
OSB5SA5W61C	Blue	B	-	2.9	3.4	10	1560	2180	-	465	470	475	60
OSG5DA5W61C	Pure Green	G	-	2.9	3.4	10	5800	7000	-	520	525	530	60
OSY5PA5W61C	Yellow	Y	-	2.1	2.4	10	2180	3000	-	585	590	595	60
OSO5PA5W61C	Orange	O	-	2.1	2.4	10	3000	4200	-	600	605	610	60
OSR5PA5W61C	Red	R	-	2.1	2.4	10	2180	3000	-	620	625	630	60

\*1 Tolerance of measurements of chromaticity coordinate is  $\pm 10\%$

\*2 Tolerance of measurements of dominant wavelength is  $\pm 1$ nm

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

\*4 Tolerance of measurements of forward voltage is  $\pm 0.1$ V

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