

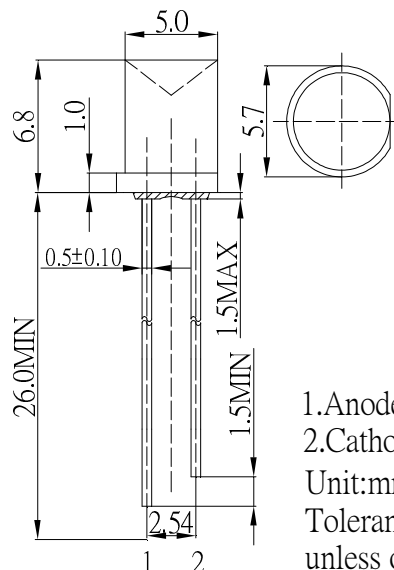
■ Features

- High Luminous LEDs
- 5mm Concave Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■ Applications

- Decorating Lighting
- Light String
- Back Lighting
- Other Lighting

■ Outline Dimension



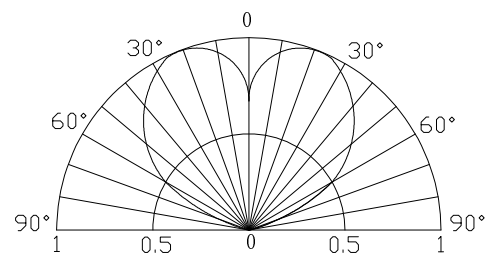
1. Anode
2. Cathode
Unit: mm
Tolerance: ± 0.20 mm
unless otherwise noted

■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/M/BL/PG	Y/O/R	
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	78	mW
Operating Temperature	T _{opr}	-30 ~ +85		°C
Storage Temperature	T _{stg}	-40 ~ +100		°C
Lead Soldering Temperature	T _{sol}	260°C/5sec		-

■ Directivity



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

■ Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color			V _F (V)*			I _R (μA)	I _v (mcd)*			W _d (nm)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =20mA			V _R =5V	I _F =20mA			I _F =20mA			
OSW5DK53C1A	Cool White	W		-	2.9	3.4	10	1120	1560	-	8500-18000K(X:0.27,Y:0.28)			120
OSM5DK53C1A	Warm White	M		-	2.9	3.4	10	1120	1560	-	2700-3300K(X:0.44,Y:0.41)			120
OSB5SA53C1A	Blue	BL		-	2.9	3.4	10	330	500	-	465	470	475	120
OSG5DA53C1A	Pure Green	PG		-	2.9	3.4	10	1120	1560	-	520	525	530	120
OSY5PA53C1A	Yellow	Y		-	2.1	2.6	10	500	750	-	585	590	595	120
OSO5PA53C1A	Orange	O		-	2.1	2.6	10	500	750	-	600	605	610	120
OSR5PA53C1A	Red	R		-	2.1	2.6	10	500	750	-	620	625	630	120

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

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

*2 Tolerance of measurements of dominant wavelength is ± 1 nm

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