

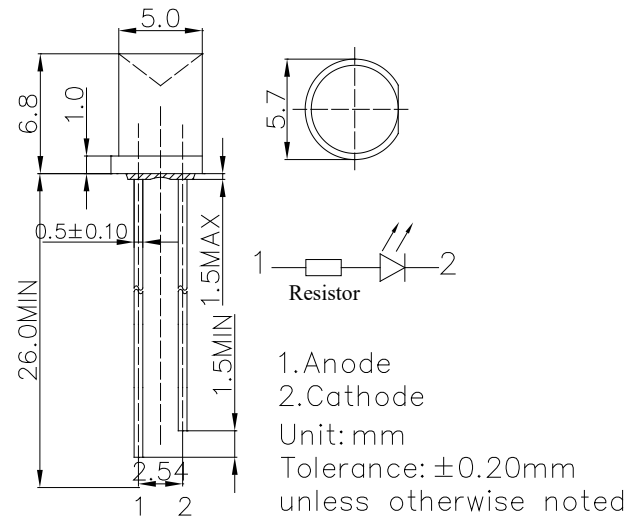
■Features

- High Luminous Intensity
- 5mm Concave Standard Directivity
- UV Resistant Epoxy
- Integral Current Limiting Resistor
- TTL Compatible (Requires No External Current Limiter with 5 Volt Supply)
- Cost Effective (Saves Space and Resistor Cost)
- Water Clear Type

■Applications

- Status Indicators
- Other Lighting

■Outline Dimension

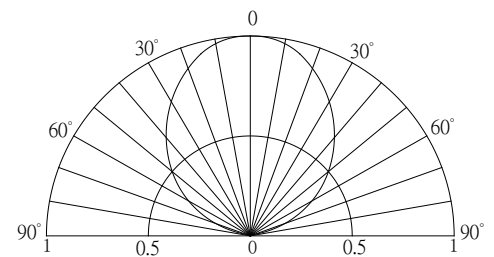


■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Voltage	V_F	7.5	V
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	150	mW
Operating Temperature	T_{opr}	-30 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T_{sol}	260°C/5sec	-

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color			I_F (mA)			I_v (mcd)*			λ_D (nm)*/CCT(K)*			2θ1/2(deg)
				Min	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$V_F = 5V$			$V_F = 5V$						
OSW5DK53C1A-5V	Cool White	W		-	12	20	750	1120	-	X=0.27, Y=0.28(CCT:8500-18000K)			120
OSW4DK53C1A-5V	Pure White	W		-	12	20	750	1120	-	X=0.31, Y=0.33(CCT:5500-8500K)			120
OSM5DK53C1A-5V	Warm White	M		-	12	20	750	1120	-	X=0.44, Y=0.41(CCT:2700-3300K)			120
OSB5SA53C1A-5V	Blue	B		-	12	20	220	330	-	465	470	475	120
OSG5DA53C1A-5V	Pure Green	TG		-	12	20	750	1120	-	520	525	530	120
OSY5PA53C1A-5V	Yellow	Y		-	12	20	330	500	-	585	590	595	120
OSO5PA53C1A-5V	Orange	O		-	12	20	330	500	-	600	605	610	120
OSR5PA53C1A-5V	Red	R		-	12	20	330	500	-	620	625	630	120

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

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

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

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