

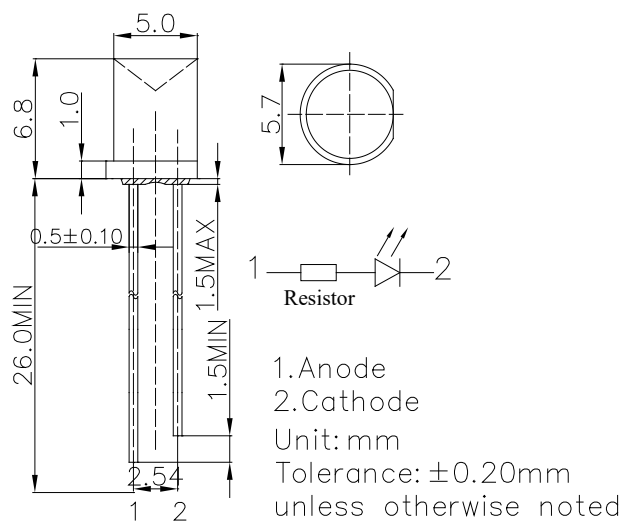
■Features

- High Luminous Intensity
- 5mm Concave Standard Directivity
- UV Resistant Epoxy
- Integral Current Limiting Resistor
- TTL Compatible (Requires No External Current Limiter With 12 Volt Supply)
- Cost Effective (Saves Space and Resistor Cost)
- Water clear Type

■Applications

- Status Indicators
- Other Lighting

■Outline Dimension

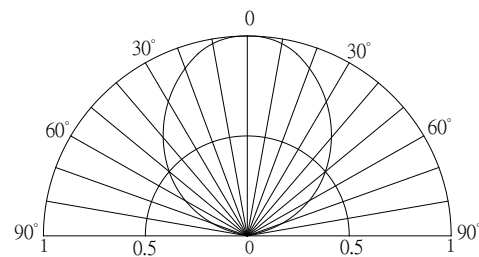


■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Voltage	V _F	15	V
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	225	mW
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-30 ~ +85	°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)*			λD(nm)*/CCT(K)*			2θ1/2(deg)
				Min	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				V _F =12V			V _F =12V						
OSW5DK53C1A-12V	Cool White	W		-	10	15	750	1120	-	X=0.27, Y=0.28(CCT:8500-18000K)			120
OSM5DK53C1A-12V	Warm White	M		-	10	15	750	1120	-	X=0.44, Y=0.41(CCT:2700-3300K)			120
OSB5SA53C1A-12V	Blue	B		-	10	15	220	330	-	465	470	475	120
OSG5DA53C1A-12V	Pure Green	TG		-	10	15	750	1120	-	520	525	530	120
OSY5PA53C1A-12V	Yellow	Y		-	10	15	330	500	-	585	590	595	120
OSO5PA53C1A-12V	Orange	O		-	10	15	330	500	-	600	605	610	120
OSR5PA53C1A-12V	Red	R		-	10	15	330	500	-	620	625	630	120

*1 Tolerance of measurements of chromaticity coordinate is ±10%

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

*3 Tolerance of measurements of luminous intensity is ±15%

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