

■Features

- High Luminous LEDs
- 5mm Round 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

- Illuminator
- Decorative and entertainment lighting
- Signage applications

■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	-

■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 = 5V			V _F = 5V			V _F = 5V			
OSW54K6E61A-5V	Cool White	W		-	12	20	3000	4200	-	X=0.27, Y=0.28(CCT:8500-18000K)			60
OSW44K6E61A-5V	Pure White	W		-	12	20	3000	4200	-	X=0.31, Y=0.33(CCT:5500-8500K)			60
OSM54K6E61A-5V	Warm White	M		-	12	20	3000	4200	-	X=0.45, Y=0.41(2700-3300K)			60
OSB5DA6E61A-5V	Blue	B		-	12	20	1120	1560	-	465	470	475	60
OSG58A6E61A-5V	Pure Green	PG		-	12	20	3000	4200	-	520	525	530	60
OSY5PA6E61A-5V	Yellow	Y		-	12	20	1560	2180	-	585	590	595	60
OSO5PA6E61A-5V	Orange	O		-	12	20	1560	2180	-	600	605	610	60
OSR5PA6E61A-5V	Red	R		-	12	20	1560	2180	-	620	625	630	60

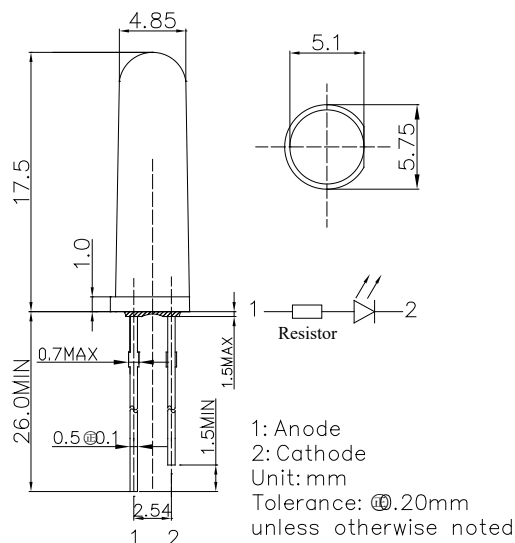
*1 Tolerance of measurements of Domi. wavelength is ±1nm

*2 Tolerance of measurements of chromaticity coordinates/CCT is ±10%

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

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

■Outline Dimension



■Directivity

