

■Features

- High Luminous LEDs
- 10mm Round Standard Directivity
- UV Resistant Epoxy
- Color Diffused Type / White Diffused for White

■Applications

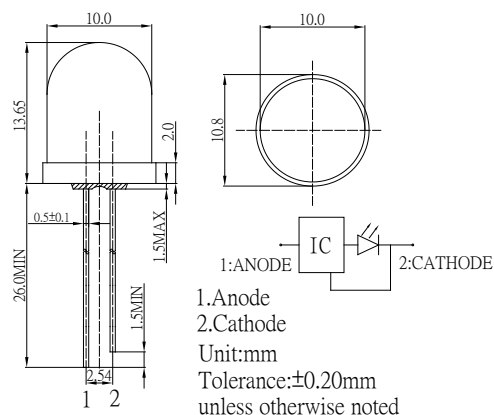
- Toys
- Games
- Audio / Other Lighting

■Absolute Maximum Rating

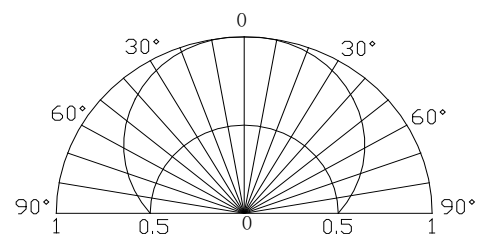
(Ta=25°C)

Item	Symbol	Value	Unit
Power Supply	Voltage	5	V
Duty Cycle	Duty	1/2	-
Operating Temperature	Topr	-30 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +100	°C
Lead Soldering Temperature	Tsol	260°C/5sec	-

■Outline Dimension



■Directivity



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

Part Number	Color			V _F (V)			I _v (mcd)*			λD(nm)/CCT(K)*			Fled (Hz)*	2θ1/2(deg)
				Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.	Typ
				I _F =20mA			I _F =20mA							
OSW54SA1K2A	Cool White	W		3.0	3.5	5.0	500	750	-	CCT:8000-18000K (X:0.27,Y0.28)			1.8	180
OSW44SA1K2A	Pure White	W		3.0	3.5	5.0	500	750	-	CCT:5500-8500K (X:0.31,Y:0.33)				
OSM54SA1K2A	Warm White	M		3.0	3.5	5.0	500	750	-	CCT:2700-3300K (X0.44,Y0.41)				
OSB5DSA1K4A	Blue	B		3.0	3.5	5.0	150	220	-	465	470	475		
OSG58SA1K4A	Pure Green	G		3.0	3.5	5.0	750	1120	-	520	525	530		
OSY5MSA1K4A	Yellow	Y		3.0	3.5	5.0	220	330	-	585	590	595		
OSR5MSA1K4A	Red	R		3.0	3.5	5.0	220	330	-	620	625	630		

*1 Tolerance of measurements of chromaticity coordinates 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

*5 Tolerance of measurements of Frequency is ±20%