

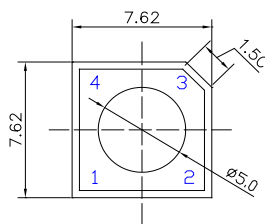
■Features

- High Luminous Super Flux Output
- 5 ° Standard Directivity
- Long Lifetime Operation
- Low Thermal Resistance
- UV Resistant Epoxy
- Water Clear Type

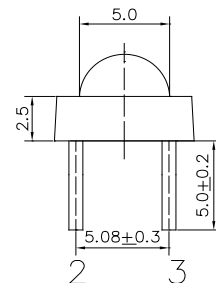
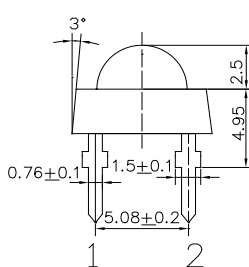
■Applications

- Electronic Signs and Signals
- Illuminations
- Reading Lamps / Emergency Lighting
- Other Lighting

■Outline Dimension



Unit: mm
Tolerance: $\pm 0.20\text{mm}$
unless otherwise noted
1,4 Anode
2,3 Cathode



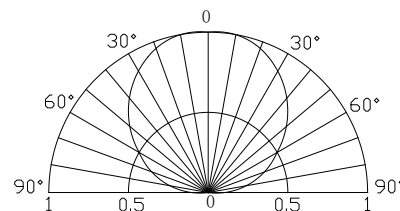
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	180	mA
Pulse Forward Current#	I_{FP}	200	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	648	mW
Operating Temperature	T_{opr}	-30 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T_{sol}	260°C/5sec	-

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

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color			V_F (V)*1			I_R (μA)	Φ_V (LM)*2			I_v (mcd)*3			WD (nm)*4/CCT(K)*5			$2\theta_{1/2}$ (deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=150\text{mA}$			$V_R=5\text{V}$				$I_F=150\text{mA}$						
OSW5XAZ2C1P	Cool White	W		-	3.2	3.6	10	35	40	-	25000	30000	-	8500-10000-18000K(X:0.27,Y:0.28)			120
OSW4XAZ2C1P	Pure White	W		-	3.2	3.6	10	35	40	-	25000	30000	-	5500-6500-8500K(X:0.31,Y:0.34)			120
OSM5XAZ2C1P	Warm White	M		-	3.2	3.6	10	33	38	-	22000	25000	-	2700-3000-3200K(X:0.44,Y:0.41)			120
OSB4XAZ2C1P	Blue	B		-	3.2	3.6	10	10	12	-	10000	12000	-	455	460	470	120
OSG5XAZ2C1P	Pure Green	PG		-	3.2	3.6	10	33	38	-	22000	25000	-	517	525	530	120

*1 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$

*2 Tolerance of measurements of luminous flux is $\pm 15\%$

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

*4 Tolerance of measurements of dominant wavelength is $\pm 10\%$

*5 Tolerance of measurements of color temperature is $\pm 10\%$

LED & Application Technologies

