

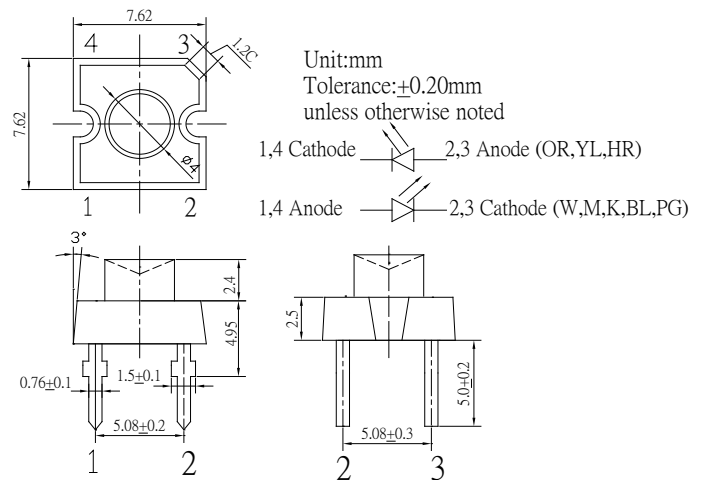
■Features

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

■Applications

- Traffic signal, portable light source
- Automotive lighting
- Decoration and entertainment lighting
- Architectural lighting
- Other Lighting

■Outline Dimension



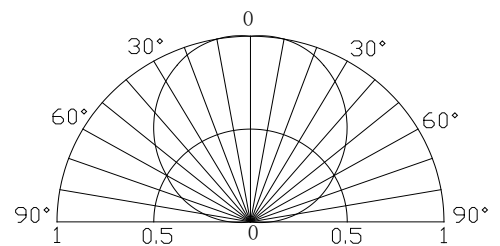
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/M/K/B/PG	Y/O/R	
DC Forward Current	I _F	50	50	mA
Pulse Forward Current#	I _{FP}	100	100	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	180	130	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)*			I _R (μA)	I _v (mcd)*			λD(nm)*			θ1/2(deg)	
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.		Max.	Typ.
				I _F =30mA			V _R =5V	I _F =30mA							
OSW54LZJC1D	Cool White	W5		2.8	3.1	3.6	10	1560	2180	-	-	X=0.27,Y=0.28		-	120
OSM54LZJC1D	Warm White	M5		2.8	3.1	3.6	10	1560	2180	-	-	X=0.45,Y=0.41		-	120
OSK54LZJC1D	Pink	K5		2.8	3.1	3.6	10	500	750	-	-	X=0.45,Y=0.17		-	120
OSB56LZJC1D	Blue	B5		2.8	3.1	3.6	10	500	750	-	465	470		475	120
OSG58AZJC1D	Pure Green	G5		2.8	3.1	3.6	10	1126	1560	-	520	525		530	120
OSY5PAZJC1D	Yellow	Y5		1.8	2.1	2.6	10	750	1120	-	585	590		595	120
OSO5PAZJC1D	Orange	O5		1.8	2.1	2.6	10	750	1120	-	600	605		610	120
OSR5PAZJC1D	Red	R5		1.8	2.1	2.6	10	750	1120	-	620	625		630	120

*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