

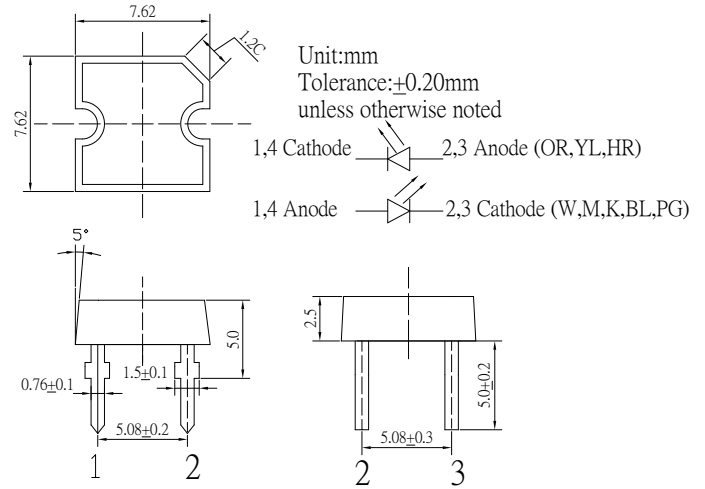
■Features

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

■Applications

- Automotive tail, stop, turn signal lamps and interior lighting
- Signage and channel letter
- Decoration and entertainment lighting
- Architectural lighting / Other Lighting

■Outline Dimension

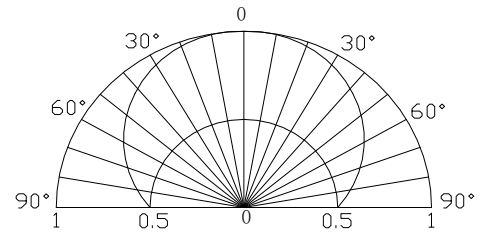


■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/M/K/B/G	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	Topr	-30 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +100		°C
Lead Soldering Temperature	Tsol	260°C/5sec		-

■Directivity



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

■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.
			I _F =30MA/ I _F =50MA				V _R =5V	I _F =30MA(W/M/K/B/PG) / I _F =50MA(Y/O/R)						
OSW54LZ3K1D	White	W5	2.8	3.1	3.6	10	1350	1900	-	X=0.27, Y=0.28			180	
OSM54LZ3K1D	Warm White	M5	2.8	3.1	3.6	10	900	1200	-	X=0.45, Y=0.41			180	
OSK54LZ3K1D	Pink	K5	2.8	3.1	3.6	10	260	360	-	X=0.45, Y=0.17			180	
OSB56LZ3K1D	Blue	B5	2.8	3.1	3.6	10	500	700	-	465	470	475	180	
OSG58AZ3K1D	Pure Green	G5	2.8	3.1	3.6	10	2180	3000	-	520	525	530	180	
OSY5PAZ3K1D	Yellow	Y5	1.8	2.2	2.6	10	750	1000	-	585	590	595	180	
OSO5PAZ3K1D	Orange	O5	1.8	2.2	2.6	10	750	1000	-	600	605	610	180	
OSR5PAZ3K1D	Red	R5	1.8	2.2	2.6	10	750	1000	-	620	625	630	180	

*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