

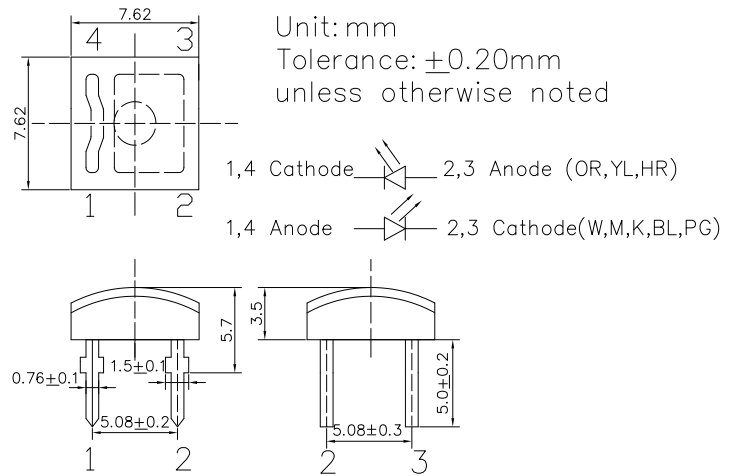
**■Features**

- High Luminous Super Flux Output
- Arc Standard Directivity
- Long Lifetime Operation
- 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**

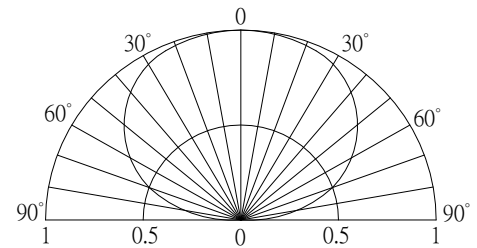


**■Absolute Maximum Rating**

( $T_a=25^\circ\text{C}$ )

Item	Sym bol	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		$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 ~ +100		$^\circ\text{C}$
Lead Soldering Temperature	$T_{sol}$	260 $^\circ\text{C}$ /5sec		-

**■Directivity**



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

**■Electrical -Optical Characteristics**

( $T_a=25^\circ\text{C}$ )

Part Number	Color		$V_F$ (V)*			$I_R$ ( $\mu\text{A}$ )	$I_v$ (mcd)*			$\lambda_D$ (nm)*			2 $\theta$ 1/2(deg)
			Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
			$I_F=30\text{MA(W/M/K/B/PG)}/I_F=50\text{MA(Y/O/R)}$			$V_R=5\text{V}$	$I_F=30\text{MA(W/M/K/B/PG)}/I_F=50\text{MA(Y/O/R)}$						
OSW54LZ4E1D	White	W5	-	3.1	3.6	10	1870	2400	-	X=0.27,Y=0.28(CCT:8500-18000K)			140
OSM54LZ4E1D	Warm White	M5	-	3.1	3.6	10	900	1400	-	X=0.45,Y=0.41(CCT:2700-3300K)			140
OSK54LZ4E1D	Pink	K5	-	3.1	3.6	10	260	400	-	X=0.45,Y=0.17			140
OSB56LZ4E1D	Blue	B5	-	3.1	3.6	10	500	750	-	465	470	475	140
OSG58AZ4E1D	Pure Green	G5	-	3.1	3.6	10	3000	4000	-	520	525	530	140
OSY5PAZ4E1D	Yellow	Y5	-	2.2	2.6	10	750	1200	-	585	590	595	140
OSO5PAZ4E1D	Orange	O5	-	2.2	2.6	10	750	1200	-	600	605	610	140
OSR5PAZ4E1D	Red	R5	-	2.2	2.6	10	750	1200	-	620	625	630	140

\*1 Tolerance of measurements of chromaticity coordinates is  $\pm 10\%$

\*2 Tolerance of measurements of dominant wavelength is  $\pm 1\text{nm}$

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

\*4 Tolerance of measurements of forward voltage is  $\pm 0.1\text{V}$