

■ Features

- High Luminous Super Flux Output
- 3.6x5.0mm Oval Standard Directivity
- Long Lifetime Operation
- Low Thermal Resistance
- Superior Weather-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

■ 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	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

■ Electrical -Optical Characteristics

(Ta=25°C)

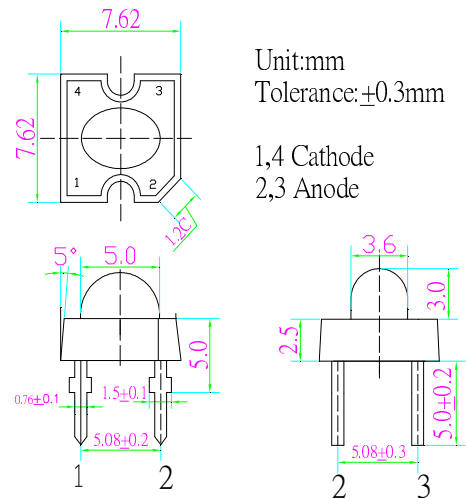
Part Number	Color			V _F (V)			I _R (μA)	I _v (mcd)			λ _D (nm)			θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =30mA			V _R =5V	I _F =30mA			I _F =30mA			
OSW54LZG71D	White	W5		2.8	3.1	3.6	10	12000	14400		TYP. X=0.27,Y=0.28			30/70
OSM54LZG71D	Warm White	M5		2.8	3.1	3.6	10	7000	8400		TYP. X=0.45,Y=0.41			30/70
OSK54LZG71D	Pink	K5		2.8	3.1	3.6	10	3000	4200		TYP. X=0.45,Y=0.17			30/70
OSB56LZG71D	Blue	B5		2.8	3.1	3.6	10	4200	5800		465	465	475	30/70
OSG58AZG71D	Pure Green	G5		2.8	3.1	3.6	10	10000	12000		520	525	530	30/70
OSY5PAZG71D	Yellow	Y5		1.8	2.1	2.6	10	4200	5800		585	590	595	30/70
OSO5PAZG71D	Orange	O5		1.8	2.1	2.6	10	4200	5800		600	605	610	30/70
OSR5PAZG71D	Red	R5		1.8	2.1	2.6	10	4200	5800		620	625	630	30/70

*1 Tolerance of measurements of dominant wavelength is ±1nm

*2 Tolerance of measurements of luminous intensity is ±15%

*3 Tolerance of measurements of forward voltage is ±0.1V

■ Outline Dimension



■ Directivity

