

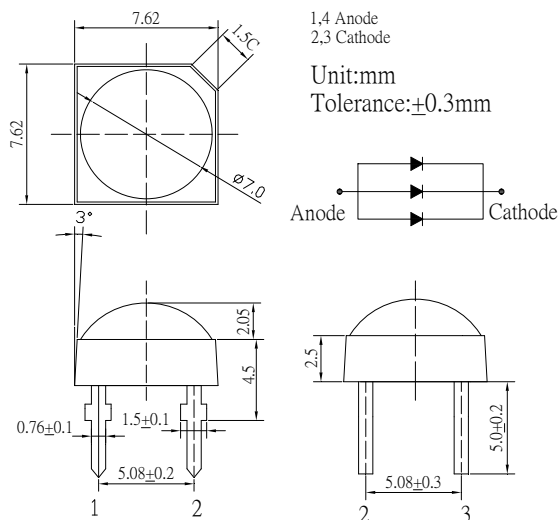
■Features

- High Luminous Super Flux Output
- 7 ° Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

- General illumination
- Advertising boards
- Automotive
- Specialty lighting

■Outline Dimension

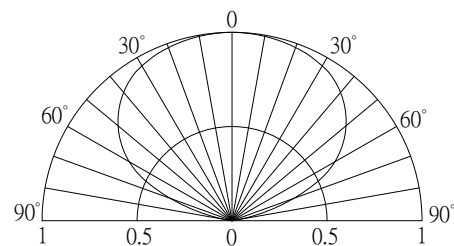


■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/M/B/G	Y/R	
DC Forward Current	I _F	90	70	mA
Pulse Forward Current#	I _{FP}	300	300	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	324	182	mW
Operating Temperature	T _{opr}	-30 ~ +85		°C
Storage Temperature	T _{stg}	-40 ~ +100		°C
Lead Soldering Temperature	T _{sol}	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)	Φ V (LM)*			λD(nm)*			θ1/2(deg)	
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.		Max.	Typ.
				I _F =60mA			V _R =5V	I _F =60mA							
OS4WMEZ5D1P	White	W4		2.8	3.1	3.6	30	24	27	-	-	X=0.31,Y=0.33		-	120
OS5MMEZ5D1P	Warm White	M5		2.8	3.1	3.6	30	19.5	22	-	-	X=0.45,Y=0.41		-	120
OSB56EZ5D1P	Blue	B5		2.8	3.1	3.6	30	5.5	7	-	465	470		475	120
OSG58EZ5D1P	Pure Green	G5		2.8	3.1	3.6	30	10	13	-	520	525		530	120
OS5YAEZ5D1P	Yellow	Y5		1.8	2.1	2.6	30	9.5	11	-	585	590		595	120
OS5RAEZ5D1P	Red	R5		1.8	2.1	2.6	30	9.5	11	-	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

LED & Application Technologies

