

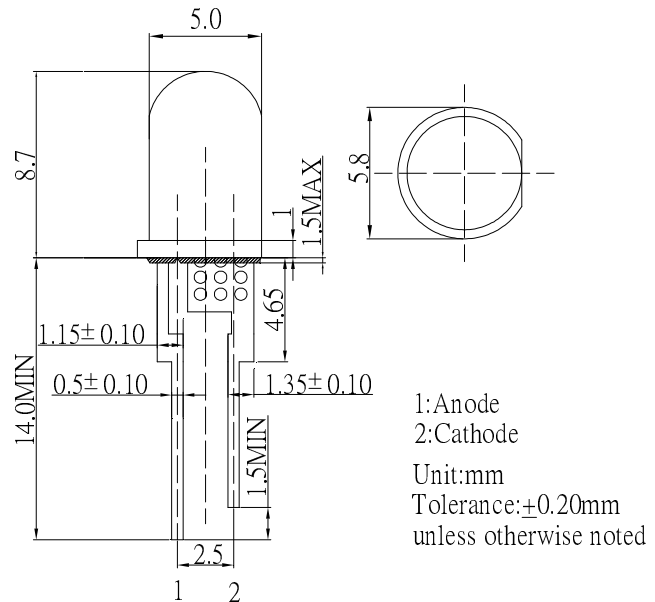
■Features

- Highest luminous flux
- Long Lifetime Operation
- Low Thermal resistance
- Water Clear Type

■Applications

- Read lights (car, bus, aircraft)
- Bollards / Security / Garden
- Small Area Illuminations
- Indoor / Outdoor Commercial lights
- Automotive Ext

■Outline Dimension



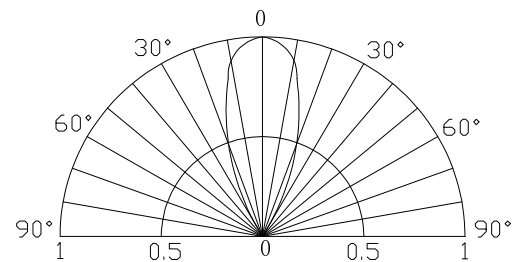
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
		W/M/B/PG	
DC Forward Current	I _F	180	mA
Pulse Forward Current#	I _{FP}	200	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	684	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)	Φ v (lm)			I _v (mcd)			WD (nm)/CCT (K)			2θ1/2 (deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =150mA			V _R =5V	I _F =150mA			I _F =150mA			I _F =150mA			
OSW4XA5141R-150MA	White	W		-	3.3	3.8	10	35	40	-	50000	60000	-	5500K	6500K	8500K	40
OSM5XA5141R-150MA	Warm White	M		-	3.3	3.8	10	33	38	-	43000	50000	-	2700K	3000K	3300K	40
OSB4XA5141R-150MA	Blue	B		-	3.3	3.8	10	10	12	-	14400	18000	-	455	460	470	40
OSG5XA5141R-150MA	Pure Green	PG		-	3.3	3.8	10	33	38	-	43000	50000	-	517	525	530	40

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

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

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

*4 Tolerance of measurements of dominant wavelength is ± 10 %

*5 Tolerance of measurements of color temperature is ± 10 %

LED & Application Technologies

