

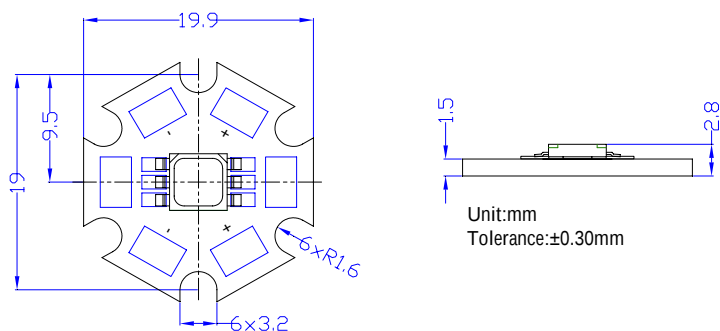
■Features

- Highest Luminous Flux
- Super Energy Efficiency
- Long Lifetime Operation
- Superior ESD protection
- Superior UV Resistance

■Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting
- Bollards / Security / Garden
- Traffic signaling / Beacons

■Outline Dimension



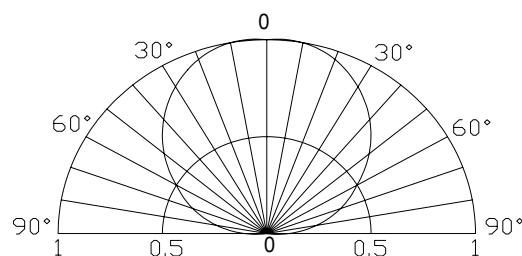
■Absolute Maximum Rating

(Ta=25 °C)

Item	Symbol	Value		Unit
		W/M/B/G	R	
DC Forward Current	I_F	400	400	mA
Pulse Forward Current*	I_{FP}	500	500	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	1600	1200	mW
Operating Temperature	T_{opr}	-40 ~ +85		
Storage Temperature	T_{stg}	-40 ~ +85		
Lead Soldering Temperature	T_{sol}	260 /5sec		-

*Pulse width Max 0.1ms, Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics

(Ta=25 °C)

Part Number	Color			V_F (V)			I_R (μA)	Φ_v (lm)*			λ_D (nm)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=350mA$			$V_R=5V$	$I_F=350mA$			$I_F=350mA$			
OSW4XAT1C1S	White	W		3.0	3.3	4.0	10	90	100	-	X=0.31, Y=0.33			120
OSM5XAT1C1S	Warm White	M		3.0	3.3	4.0	10	80	90		X=0.45, Y=0.41			120
OSB5XAT1C1S	Blue	B		3.0	3.3	4.0	10	10	15	-	465	470	475	120
OSG5XAT1C1S	Pure Green	G		3.0	3.3	4.0	10	65	75	-	520	525	530	120
OSR5XAT1C1S	Red	R		2.0	2.5	3.0	10	40	50	-	620	625	630	120

Note: *1. Tolerance of chromaticity coordinates is ±10%

*2. Dominant wavelength tolerance: ±1nm

*3. Tolerance of luminous Flux is ±15%