

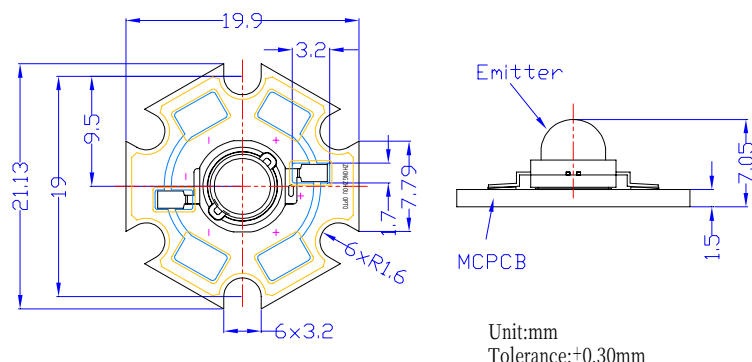
■Features

- 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	800	800	mA
Pulse Forward Current*	I _{FP}	1000	1000	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	3200	2400	mW
Operating Temperature	T _{opr}	-40 ~ +85		°C
Storage Temperature	T _{stg}	-40 ~ +85		°C
Lead Soldering Temperature	T _{sol}	260°C/5sec		-

*Pulse width Max 0.1ms, 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)*			2θ1/2 (deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =700mA			V _R =5V	I _F =700mA			I _F =700mA			
OSW4XME3C1S	White	W		3.0	3.3	4.0	10	180	200	-	X=0.31, Y=0.33			120
OSM5XME3C1S	Warm White	M		3.0	3.3	4.0	10	160	180	-	X=0.45, Y=0.41			120
OSB5XME3C1S	Blue	B		3.0	3.3	4.0	10	20	30	-	465	470	475	120
OSG5XME3C1S	Pure Green	G		3.0	3.3	4.0	10	120	130	-	520	525	530	120
OSR5XME3C1S	Red	R		2.0	2.5	3.0	10	70	80	-	620	625	630	120

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

*2. Dominant wavelength tolerance: ±1nm

*3. Tolerance of luminous Flux is ±15%