

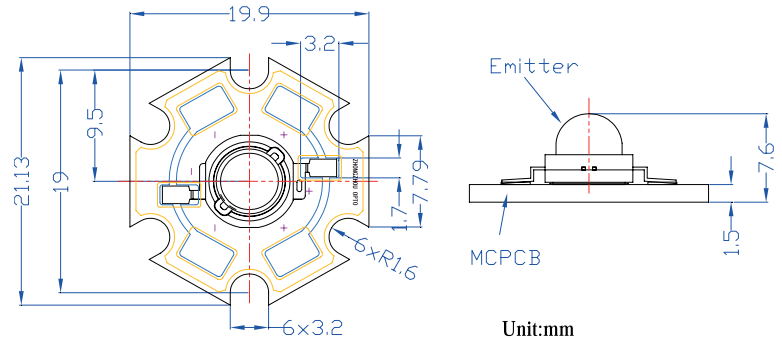
## Features:

- 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 signalling/beacons

## Outline dimensions:



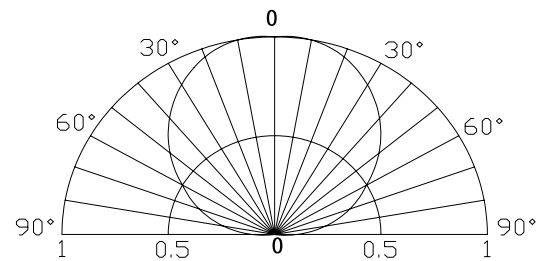
Unit:mm  
Tolerance: ± 0.30mm

## 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 to +85		°C
Storage temperature	$T_{stg}$	-40 to +85		°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)

Order code	MPN	Colour		$V_F$ (V)			$I_R$ ( $\mu$ A)	$V$ (lm)*			$\lambda_D$ (nm)*			$2\theta_{1/2}$ (deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=350$ mA			$V_R=5$ V	$I_F=350$ mA						
55-2239	OSW4XME1C1S	White	W	3.0	3.3	4.0	10	90	100	-	X=0.31, Y=0.33	120		
55-2241	OSM5XME1C1S	Warm White	M	3.0	3.3	4.0	10	80	90	-	X=0.45, Y=0.41	120		
55-2247	OSB5XME1C1S	Blue	B	3.0	3.3	4.0	10	10	15	-	465 470 475	120		
55-2245	OSG5XME1C1S	Pure Green	G	3.0	3.3	4.0	10	65	75	-	520 525 530	120		
55-2243	OSR5XME1C1S	Red	R	2.5	3.0	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%