OptoSupply
Light It Up

Xeon 1 Power LED

OSXXXNE1E1S

VER C.2

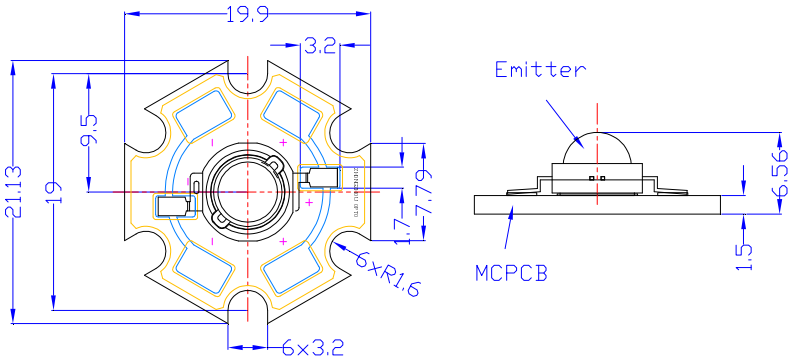
■Features

- 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



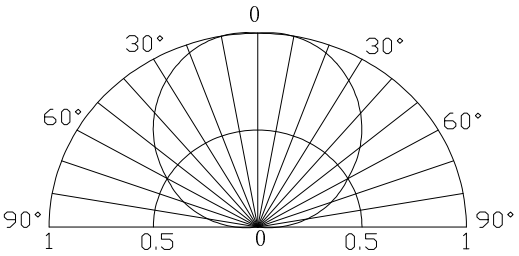
Unit:mm
Tolerances are for reference only

■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value		Unit
		W/M/B/G	R/Y	
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	Topr	-40 ~ +85		℃
Storage Temperature	Tstg	-40~ +85		℃
Lead Soldering Temperature	Tsol	260℃/5sec		-

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

■Directivity



■Electrical -Optical Characteristics (Ta=25℃)

Part Number	Color			V_F (V)			I_R(μA)	Φv(lm)*			λD(nm)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I_F=350mA			V_R=5V	I_F=350mA						
OSW4XNE1E1S	White	W		3.0	3.3	4.0	10	110	120	-	6500K			140
OSM5XNE1E1S	Warm White	M		3.0	3.3	4.0	10	100	110		3000K			140
OSB4XNE1E1S	Blue	B		3.0	3.3	4.0	10	15	20	-	455	460	465	140
OSG5XNE1E1S	Pure Green	G		3.0	3.3	4.0	10	80	90	-	520	525	530	140
OSY5XNE1E1S	Yellow	Y		2.0	2.3	3.0	10	40	50	-	585	590	595	140
OSR5XNE1E1S	Red	R		2.0	2.3	3.0	10	40	50	-	620	625	630	140

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

*2. Dominant wavelength tolerance: ±1nm

*3. Tolerance of luminous Flux is ±15%