

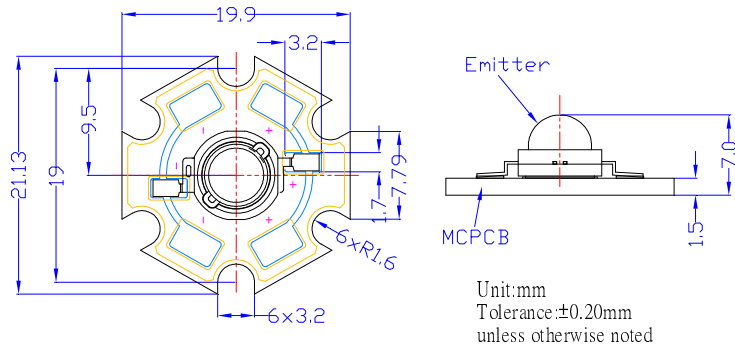
■Features

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

■Applications

- Read lights (car, bus, aircraft)
- Portable (flashlight, bicycle)
- Bollards / Security / Garden
- Traffic signaling / Beacons
- In door / Out door Commercial lights
- Automotive Ext

■Outline Dimension



■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	400	mA
Pulse Forward Current#	I _{FP}	500	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	1600	mW
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40~ +100	°C
Manual Soldering Temperature	T _{sol}	260°C/5sec	-

#Pulse width Max.10ms Duty ratio max 1/10

■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V _F	I _F =350mA	3.0	3.3	4.0	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Luminous Flux*2	Φ _v	I _F =350mA	100	110	-	lm
Color Temperature*3	CCT	I _F =350mA	-	3000	-	K
Chromaticity Coordinates*4	x	I _F =350mA	-	0.45	-	-
	y	I _F =350mA	-	0.41	-	-
50% Power Angle	2θ _{1/2}	I _F =350mA	-	120	-	deg

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

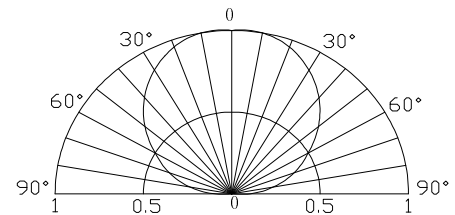
*2 Tolerance of measurements of chromaticity coordinate is ±10%

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

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

Note: Don't drive at rated current more than 5s without heat sink for Xeon 1 emitter series.

■Directivity



InGaN LED

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES

