

■Features

- High luminous flux
- Super energy efficiency
- Very long operating life
- Superior UV resistance

■Applications

- Read lights (car, bus, aircraft)
- Portable (flashlight, bicycle)
- Bollards / Security / Garden
- Traffic signaling / Beacons
- Indoor / Outdoor commercial lights
- Automotive Ext

■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	100	mA
Pulse Forward Current#	I _{FP}	150	mA
Reverse Voltage	V _R	15	V
Power Dissipation	P _D	1350	mW
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40~ +100	°C
Manual Soldering Temperature	T _{sol}	350°C/3sec	-

#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 =80mA	-	12.5	13.5	V
DC Reverse Current	I _R	V _R =15V	-	-	10	μA
Luminous Flux *2	Φ _v	I _F =80mA	110	130	-	lm
Color Temperature*3	CCT	I _F =80mA	2700	3000	3300	K
Chromaticity Coordinates*4	x	I _F =80mA	-	0.44	-	-
	y	I _F =80mA	-	0.41	-	-
50% Power Angle	2θ _{1/2}	I _F =80mA	-	140	-	deg

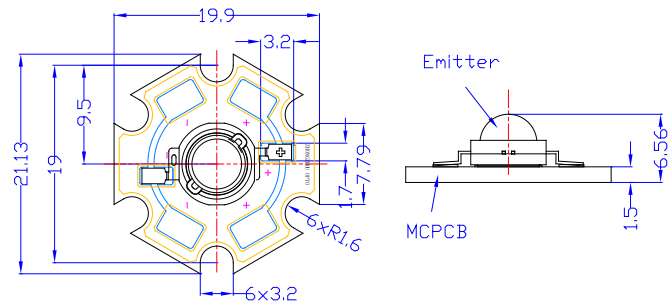
*1 Tolerance of measurements of forward voltage is ±0.1V

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

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

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

■Outline Dimension



Unit: mm

Tolerance: ±0.30mm

unless otherwise noted

■Directivity

