

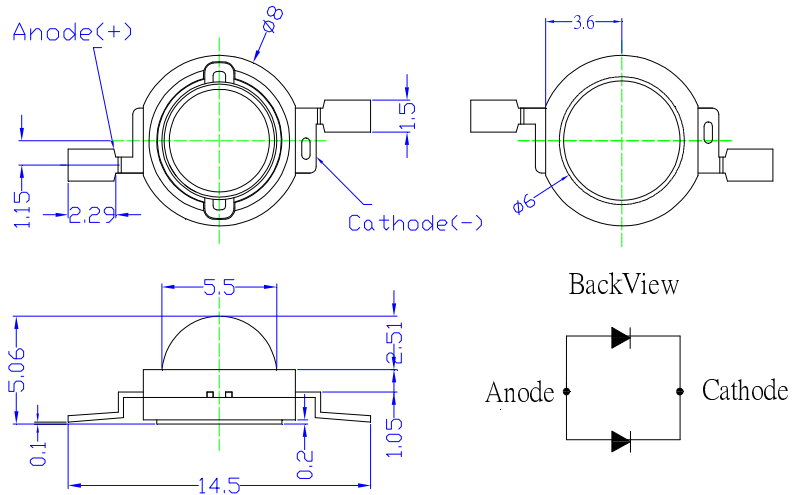
■Features

- Highest luminous flux
- Super energy efficiency
- Very long operating life
- Superior ESD protection

■Applications

- Night Vision
- Camera
- Outdoor./Indoor applications

■Outline Dimension



■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	2000	mA
Pulse Forward Current#	I _{FP}	3000	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	5000	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	V _F	I _F =1400mA	-	1.7	2.0	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Peak Wavelength	λ _P	I _F =1400mA	-	850	-	nm
Radiant Power	P _O	I _F =1400mA	800	1000	-	mW
50% Power Angle	2θ _{1/2}	I _F =1400mA	-	140	-	deg

*1 Tolerance of measurements of Peak wavelength is ±1nm

*2 Tolerance of measurements of Radiant Power is ±15%

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

Note: Don't drive at rated current more than 5s without heat sink for Xeon 2 emitter series.