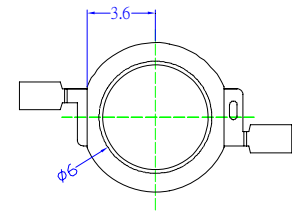
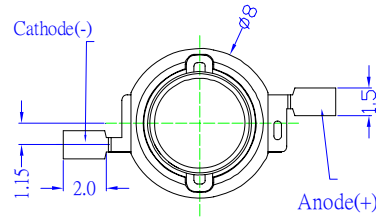
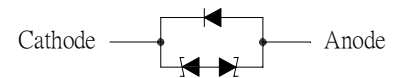
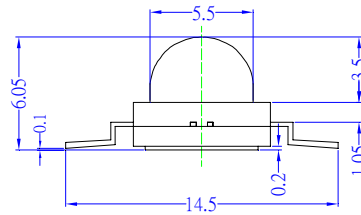


■Features

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

■Outline Dimension


BackView


 ESD Protection Diode
 Unit:mm
 Tolerance:±0.30mm

■Applications

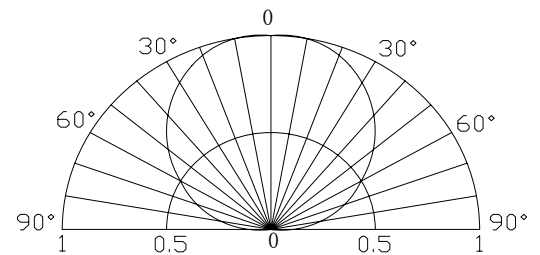
- Read lights (car, bus, aircraft)
- Portable (flashlight, bicycle)
- Bollards / Security / Garden
- Traffic signaling / Beacons
- In door / Out door Commercial lights
- Automotive Ext

■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	200	mA
Pulse Forward Current*	I_{FP}	250	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	800	mW
Operating Temperature	T_{opr}	-30 ~ +85	°C
Storage Temperature	T_{stg}	-40~ +100	°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)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	$I_F=150\text{mA}$	3.0	3.3	4.0	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength	λ_D	$I_F=150\text{mA}$	520	525	530	nm
Luminous Flux	Φ_v	$I_F=150\text{mA}$	20	30	-	lm
50% Power Angle	$2\theta_{1/2}$	$I_F=150\text{mA}$	-	120	-	deg

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

■Forward Operating Current (DC)
