

### ■Features

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

### ■Caution

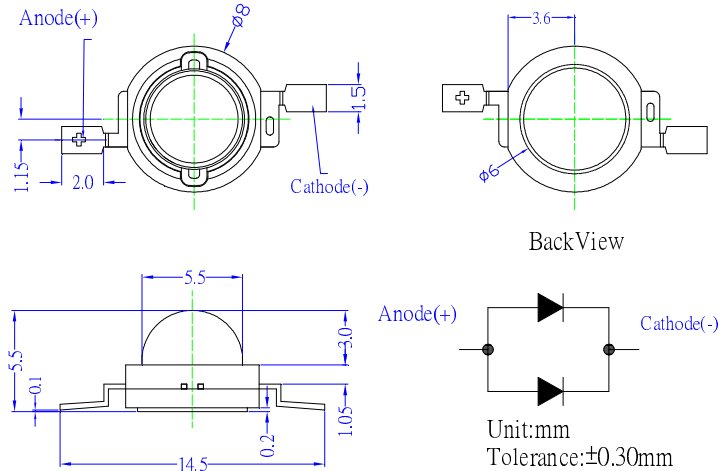
- Avoid Reflow Soldering Process

### ■Applications

- Green House Applications
- Red : Blue LED Radiant Power Ratio is 8:1\*

\*The ratio is summarized by the photosynthesis test on Phalaenopsis and provided from plant workshop in Taiwan.

### ■Outline Dimension

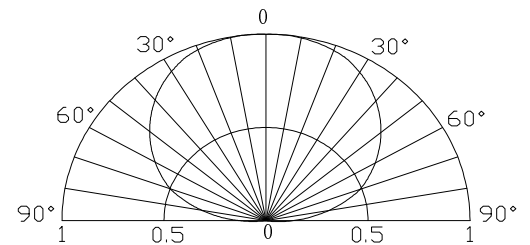


### ■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I <sub>F</sub>	400	mA
Pulse Forward Current*	I <sub>FP</sub>	500	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	1200	mW
Operating Temperature	Topr	-30 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +100	°C
Lead Soldering Temperature	Tsol	260°C/5sec	-

### ■Directivity



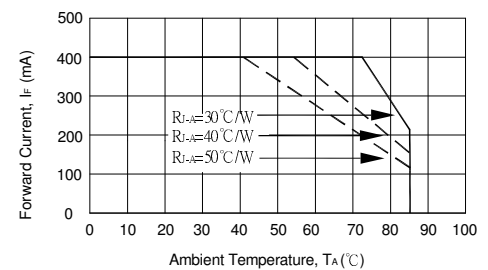
\*Pulse width Max.10ms, Duty ratio max 1/10

### ■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =350mA	2.3	2.5	3.0	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	10	μA
Peak Wavelength	λ <sub>p</sub>	I <sub>F</sub> =350mA	720	730	740	nm
Radiant Power	P <sub>o</sub>	I <sub>F</sub> =350mA	-	100	-	mW
50% Power Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =350mA	-	140	-	deg

### ■Forward Operating Current (DC)



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