

### ■Features

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

### ■Caution

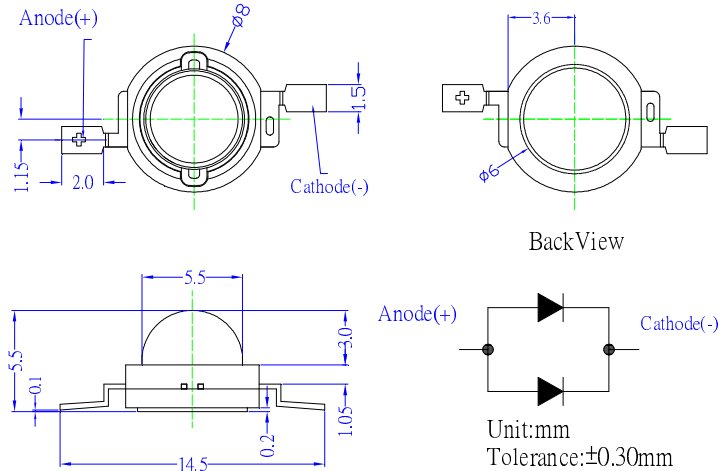
- Avoid Reflow Soldering Process

### ■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



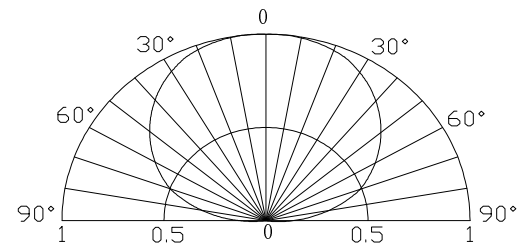
### ■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	$I_F$	400	mA
Pulse Forward Current*	$I_{FP}$	500	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	1200	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

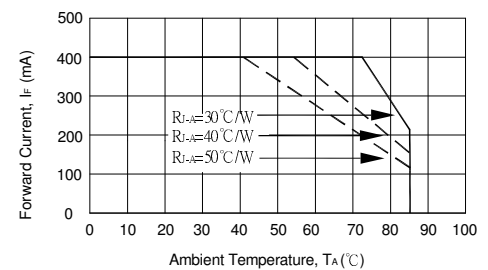


### ■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	$V_F$	$I_F=350mA$	2.3	2.5	3.0	V
DC Reverse Current	$I_R$	$V_R=5V$	-	-	10	$\mu A$
Peak Wavelength	$\lambda_p$	$I_F=350mA$	720	730	740	nm
Radiant Power	$P_o$	$I_F=350mA$	-	100	-	mW
50% Power Angle	$2\theta_{1/2}$	$I_F=350mA$	-	140	-	deg

### ■Forward Operating Current (DC)



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

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