

**■Features**

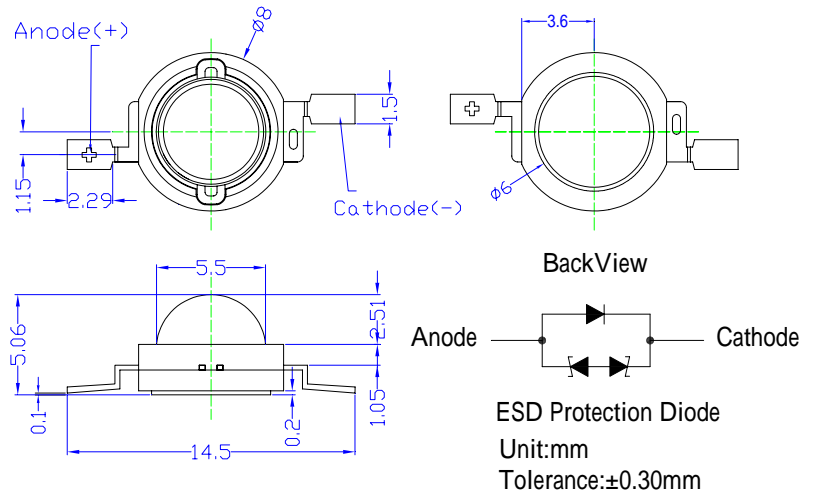
- Highest Luminous Flux
- Super Energy Efficiency
- Long Lifetime Operation
- Superior ESD protection
- Superior UV Resistance

**■Caution**

- Avoid Reflow Soldering Process

**■Applications**

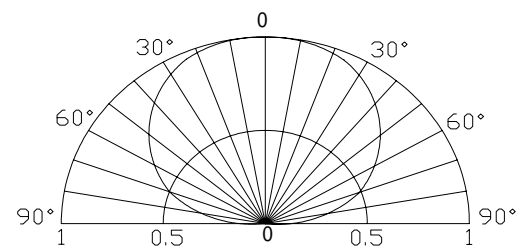
- Read lights (car, bus, aircraft)
- Portable (flashlight, bicycle)
- Bollards / Security / Garden
- Traffic signaling / Beacons
- In door / Out door Commercial lights
- Automotive Ext

**■Outline Dimension**

**■Absolute Maximum Rating**

(Ta=25 )

Item	Symbol	Value	Unit
DC Forward Current	$I_F$	800	mA
Pulse Forward Current*	$I_{FP}$	1000	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	3200	mW
Operating Temperature	$T_{opr}$	-30 ~ +85	
Storage Temperature	$T_{stg}$	-40~ +100	
Lead Soldering Temperature	$T_{sol}$	260 /5sec	-

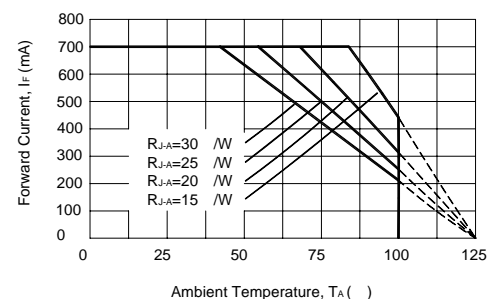
\*Pulse width Max.10ms Duty ratio max 1/10

**■Directivity**

**■Electrical -Optical Characteristics**

(Ta=25 )

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	$V_F$	$I_F=350mA$	3.0	3.3	4.0	V
		$I_F=700mA$	3.5	3.8	4.5	V
DC Reverse Current	$I_R$	$V_R=5V$	-	-	10	$\mu A$
Domi. Wavelength	$\lambda_D$	$I_F=700mA$	520	525	530	nm
Luminous Flux	$\nu$	$I_F=700mA$	120	130	-	lm
50% Power Angle	$2\theta_{1/2}$	$I_F=700mA$	-	140	-	deg

Note: Don't drive at rated current more than 5s without heat sink for Xeon 3 emitter series.

**■Forward Operating Current (DC)**


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