

■Features

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

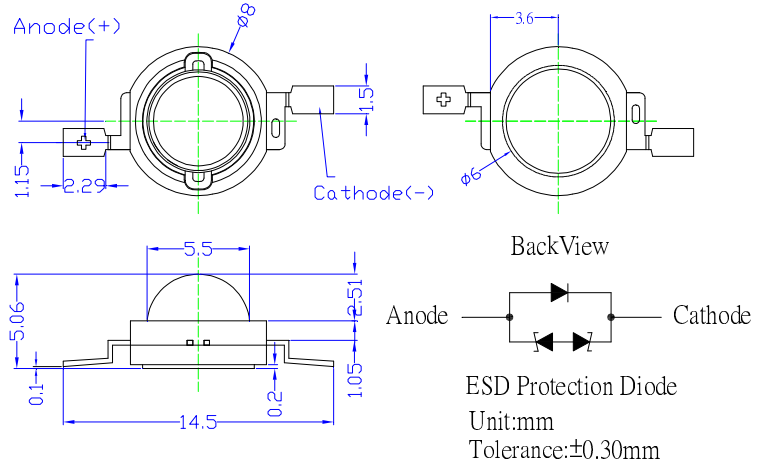
■Caution

- 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



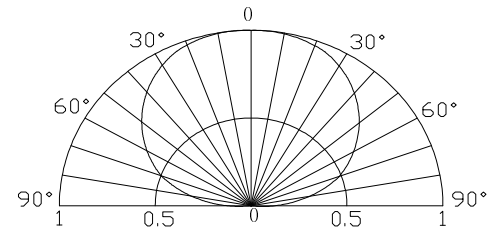
■Absolute Maximum Rating

($T_a=25^{\circ}\text{C}$)

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	$^{\circ}\text{C}$
Storage Temperature	T_{stg}	-40 ~ +100	$^{\circ}\text{C}$
Lead Soldering Temperature	T_{sol}	260 $^{\circ}\text{C}$ /5sec	-

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

■Directivity



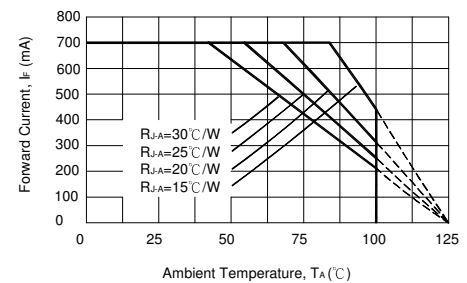
■Electrical -Optical Characteristics

($T_a=25^{\circ}\text{C}$)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	$I_F=350\text{mA}$	3.0	3.3	4.0	V
		$I_F=700\text{mA}$	3.5	3.8	4.5	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Luminous Flux	Φ_v	$I_F=700\text{mA}$	160	180	-	lm
Color Temperature	CCT	$I_F=700\text{mA}$	-	3000	-	K
Chromaticity Coordinates*	x	$I_F=700\text{mA}$	-	0.45	-	-
	y	$I_F=700\text{mA}$	-	0.41	-	-
50% Power Angle	$2\theta_{1/2}$	$I_F=700\text{mA}$	-	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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