

■Features

- Highest Luminous Flux
- Super Energy Efficiency
- Long Lifetime Operation
- Superior ESD protection
- LED cells connected in series
- Need extra resistor
- For high voltage/low current applications

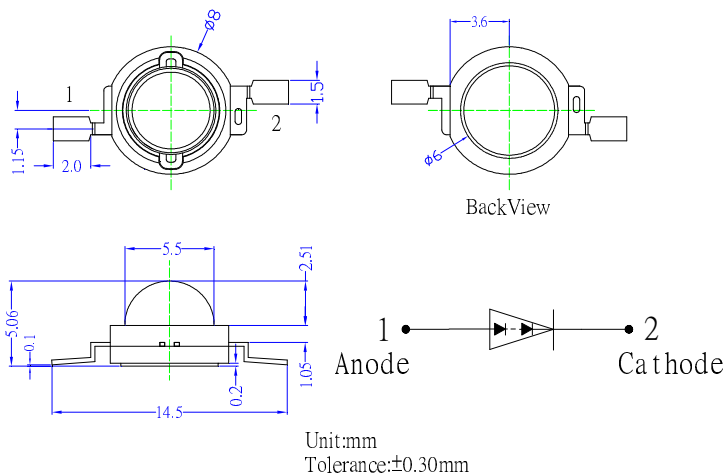
■Caution

- Avoid Reflow Soldering Process

■Applications

- Read lights
- Lighting
- Other

■Outline Dimension



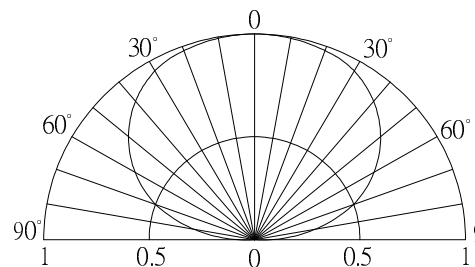
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	30	mA
Pulse Forward Current*	I_{FP}	50	mA
Power Dissipation	P_D	1.75	W
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	$I_F=30mA$	48	52	58	V
Luminous Flux	Φ_v	$I_F=30mA$	160	180	-	lm
Color Temperature	CCT	$I_F=30mA$	-	6500	-	K
Chromaticity	x	$I_F=30mA$	-	0.31	-	-
Coordinates*	y	$I_F=30mA$	-	0.33	-	-
50% Power Angle	$2\theta_{1/2}$	$I_F=30mA$	-	140	-	deg

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