OptoSupply

Xeon 1 Power Amber LED

OSY5XAE1E1E

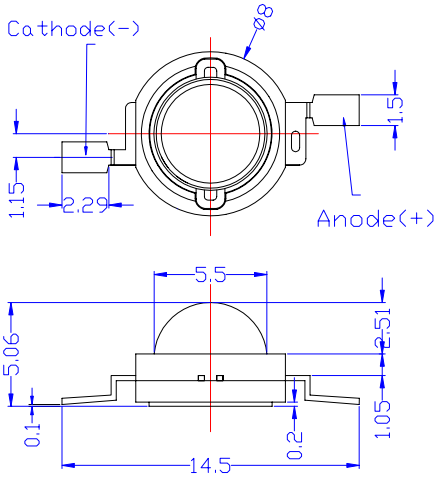
▪Features

- Highest luminous flux
- Super energy efficiency
- Very long operating life (up to 100K hours)
- Superior ESD protection
- No UV

▪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



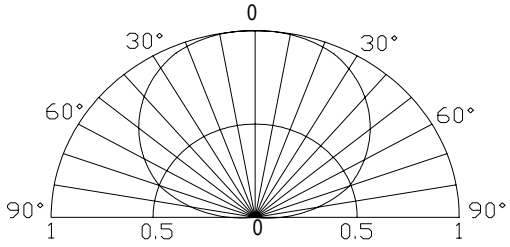
Unit:mm
Tolerances are for reference only

▪Absolute Maximum Rating (Ta=25℃)

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	Topr	-30 ~ +85	℃
Storage Temperature	Tstg	-40~ +100	℃
Lead Soldering Temperature	Tsol	260℃/5sec	-

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

▪Directivity

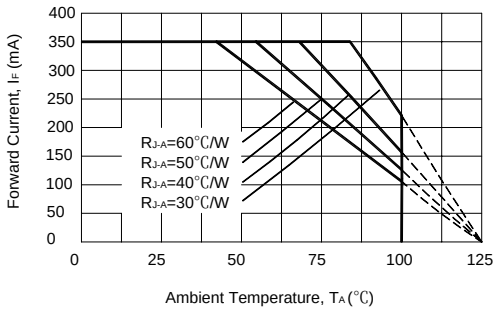


▪Electrical -Optical Characteristics (Ta=25℃)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	I_F=350mA	2.0	2.5	3.0	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Domi. Wavelength	λ_D	I_F=350mA	585	590	600	nm
Luminous Flux	Φv	I_F=350mA	-	50	70	lm
50% Power Angle	$2\theta_{1/2}$	I_F=350mA	-	140	-	deg

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

■Forward Operating Current (DC)



LED & Application Technologies

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