



OSB5XME1C1E

VER C.0

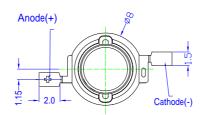
■Features

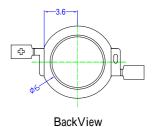
- · Highest Luminous Flux
- Super Energy Efficiency
- Long Lifetime Operation
- Superior ESD protection
- Superior UV Resistance

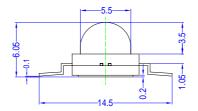
Applications

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

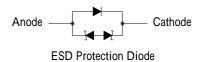
■Outline Dimension







(Ta=25)

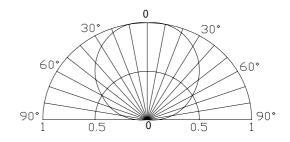


Unit:mm Tolerance:±0.30mm

■Absolute Maximum Rating

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}	1600	mW
Operating Temperature	Topr	-30 ~ +85	
Storage Temperature	Tstg	-40~ +100	
Lead Soldering Temperature	Tsol	260 /5sec	-

Directivity

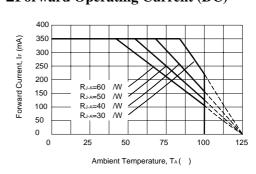


■Electrical -Optical Characteristics

Item	Symbol	Condition	Min.	Тур.	Max.	Unit
DC Forward Voltage	V_{F}	I _F =350mA	3.0	3.3	4.0	V
DC Reverse Current	I_R	$V_R=5V$	1	-	10	μА
Domi. Wavelength	λ_{D}	I _F =350mA	465	470	475	nm
Luminous Flux	V	I _F =350mA	10	15	-	lm
50% Power Angle	2θ1/2	I _F =350mA	-	120	-	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





(Ta=25)







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

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■ Handling of Silicone Lens LEDs

Notes for handling of silicone lens LEDs

- Please do not use a force of over 3kgf impact or pressure on the silicone lens, otherwise it will cause a catastrophic failure.
- The LEDs should only be picked up by making contact with the sides of the LED body.
- Avoid touching the silicone lens especially by sharp tools such as Tweezers.
- Avoid leaving fingerprints on the silicone lens.
- Please store the LEDs away from dusty areas or seal the product against dust.
- When populating boards in SMT production, there are basically no restrictions regarding the form of the pick and place nozzle, except that mechanical pressure on the silicone lens must be prevented.
- Please do not mold over the silicone lens with another resin. (epoxy, urethane, etc)



