

Wrangler Limited

SPECIFICATION FOR APPROVAL

Customer:

Product Name: 1W IR high power LED

Version number: WRI-830CI1B85-WP

Deliver date: 2010-4-3

Product confirm and sign

APPROVED BY

Manufacture

APPROVED BY

Customer confirm and sign

TESTED BY

CHECKED BY

APPROVED BY

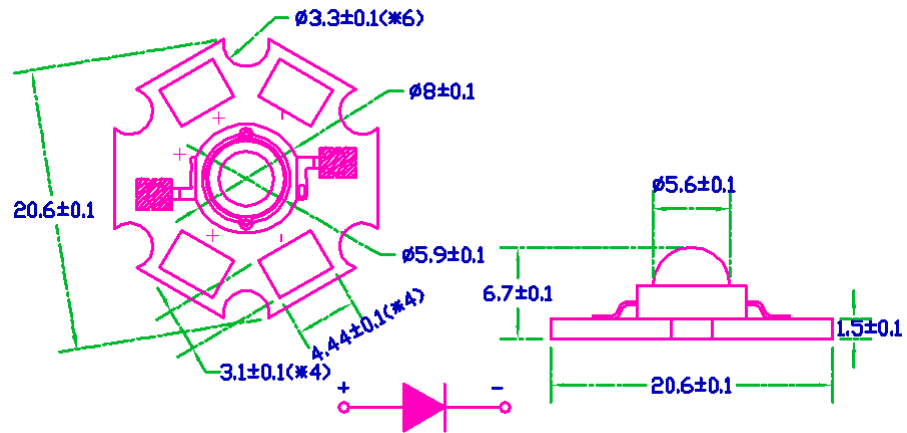
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● **Package Dimensions**

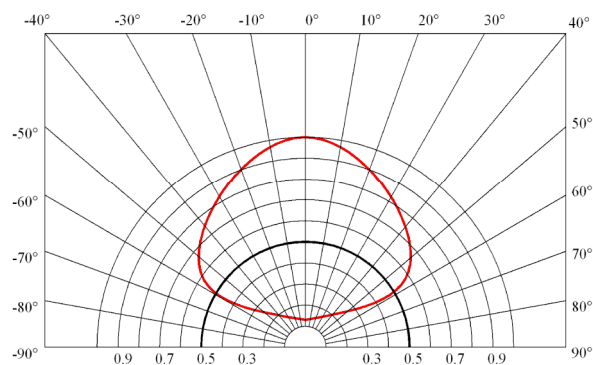


Dimension (mm)

Notes

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm}$ (0.010") unless otherwise noted.
3. Protruded resin under flange is 1.0mm (0.04") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice.

● **Spatial Distribution**



● **Electrical / Optical Characteristics at TA=25°C**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	φ				Lm	IF =350mA
Viewing Angle	2θ1/2	110	120	130	deg	IF =350mA
Dominant Wavelength	WL	850			nm	IF =350mA
Forward Voltage	vF	1.4	1.6	1.8	v	IF =350mA
Reverse Current	IR	0		10	uA	IF =350mA

● **Absolute Maximum Ratings at TA=25°C**

Parameter	Maximum Rating
Power Dissipation	1W
Peak Forward Current(1/10 Duty Cycle, 0.1ms Pulse Width)	700mA
Continuous Forward Current	350mA
Derating Linear From 30°C	0.07mA/°C
Reverse Voltage	5V
Operating Temperature Range	-20°C to + 80°C
Storage Temperature Range	-30°C to + 100°C
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds