



Figure 1. Physical Photo of ATFLD2W830

FEATURES

- High output power: 2W
Small fiber core diameter: 60um
100 % Lead (Pb)-free and RoHS Compliant

SPECIFICATION

Table1. Specification of ATFLD2W830

APPLICATIONS

830nm 2W fiber coupled laser diode module 2-pin package 60um fiber can be used in printing, medical laser treatment and etc..

DESCRIPTION

ATFLD2W830 is designed to result in volume products with a high efficiency, stability and superior beam quality. The products are achieved by transforming the asymmetric radiation from the laser diode chip into an output fiber with small core diameter by using special micro optics. Inspecting and burn-in procedures in every aspect come to a result to guarantee each product with the reliability, stability and long lifetime.

Table with 4 columns: Parameter, Tolerance, Typical Value, and Range. Rows include Center Wavelength, Output Power, Spectral Width, Recommended Case Temperature, Temperature Coefficient of Wavelength, Threshold Current, Operating Current, Operating Voltage, Fiber Core Diameter, Fiber Numerical Aperture, Fiber Length, Connector Type, Package Style, Reverse Voltage, Operating Temperature, Storage Temperature, and Lead soldering temperature.



DIMENSIONS (mm)

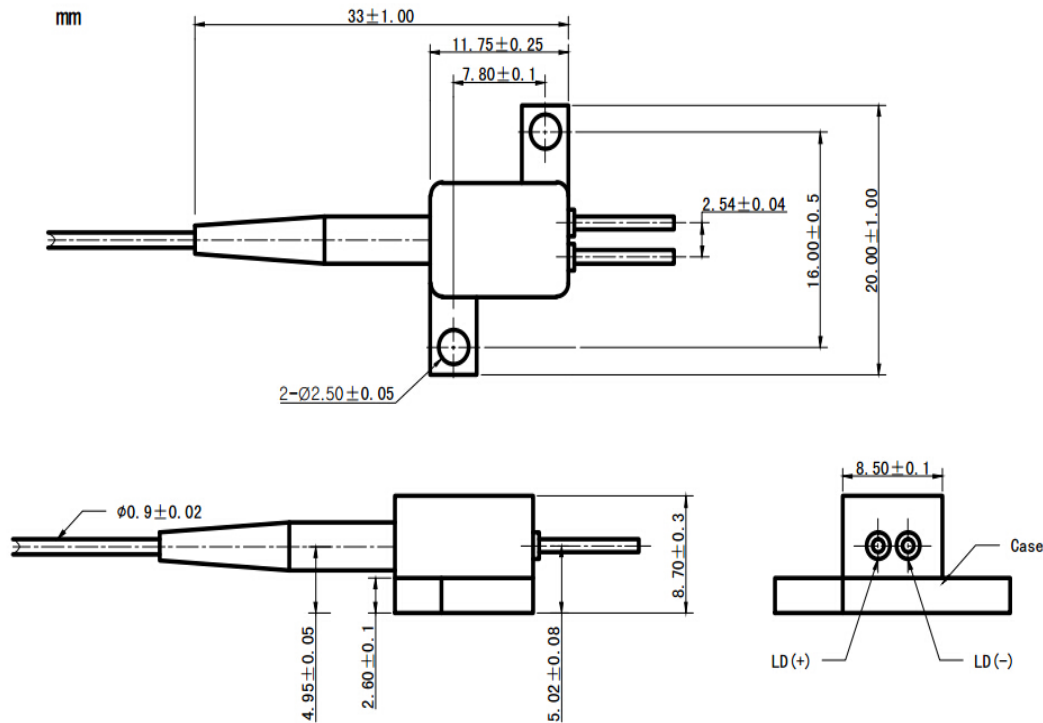


Figure 2. Dimensions of ATFLD2W830

OPERATING NOTES

Avoid eye exposure to direct or scattered radiation.

ESD precautions must be taken.

Please connect pins to wires by solder instead of using socket when operation current is higher than 6A.

Soldering point should be close to the root of the pins. Soldering temperature should be lower than 260°C and time shorter than 10 second.

Use constant current power supply, avoid surge current.

Laser diode must be used according to the specifications.

Laser diode must work with good cooling.

A minimum bend diameter should be 300 times greater than the fiber diameter.

Operation temperature is 10°C~30°C.

Storage: -40°C~ +80°C, all pins short-circuit.



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