

2 Micron High Power CW Fiber Laser Module AP-CW1-MOD

Features:

- Laser emission in the 2 μm wavelength region
- 10W output power, variable
- Output modulation capability
- Near diffraction limited beam quality
- Turn-key control box available
- Custom options available

Applications:

- Plastic materials processing
- Laser surgery
- Aesthetic medicine



Optical Characteristics:

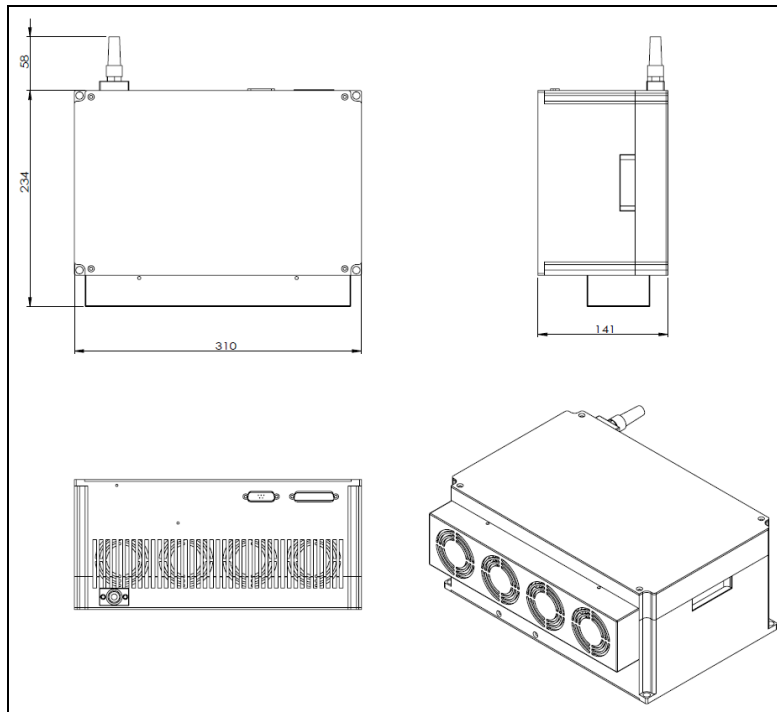
Parameter	Specification
Operating mode	CW or modulated
Operating wavelength	1950 nm (Option: customized wavelength 1900-2100 nm)
Wavelength accuracy	± 5 nm (Option: customized accuracy)
Max. output power	10 W (not for all options)
Power adjustment	10-100% max.
Spectral linewidth	< 1 nm
Beam quality, M^2	< 1.3
Output polarization	Random (Option: linearly polarized)
Output modulation frequency	1 kHz max.
Output isolator	Optional
Aiming beam	Optional
Output delivery	Optical fiber armored cable with collimator termination, collimated output beam 6.5 mm diameter (nominal), cable length 2 m.

(Customization options available.)

General Characteristics:

Parameter	Specification
Operating current	13 A (nominal)
Operating voltage	24 V (nominal)
Modulation control signal	5V TTL
Operating temperature	10-30 °C
Storage temperature	-10 to +70 °C
Warm-up time	20 minutes
Package dimensions	310(W) x 234(D) x 141(H) mm

Mechanical Outline:



Ordering Information:

Part Number: AP-CW1-MOD - xxxx - xx - (Polarization)

Standard Wavelength:

1950 = 1950 nm

Custom Wavelength:

xxxx = xxxx nm

Output Power:

02 = 2 W

05 = 5 W

10 = 10 W

Polarization:

(no spec) = random polarization

LP = linearly polarized

(For special request, please contact AdValue Photonics at 1-520-790-5468 or sales@advaluephotonics.com.)

Specifications subject to change without notice

The 2 μm Fiber Laser Experts