

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	< 1.1
Output polarization	Random (Option: linearly polarized)
Output modulation frequency	1 kHz max.
Output isolator	Optional
Aiming beam	Optional
Output delivery	Optical fiber armored cable terminated with collimator or SMA connector, cable length 2 m.

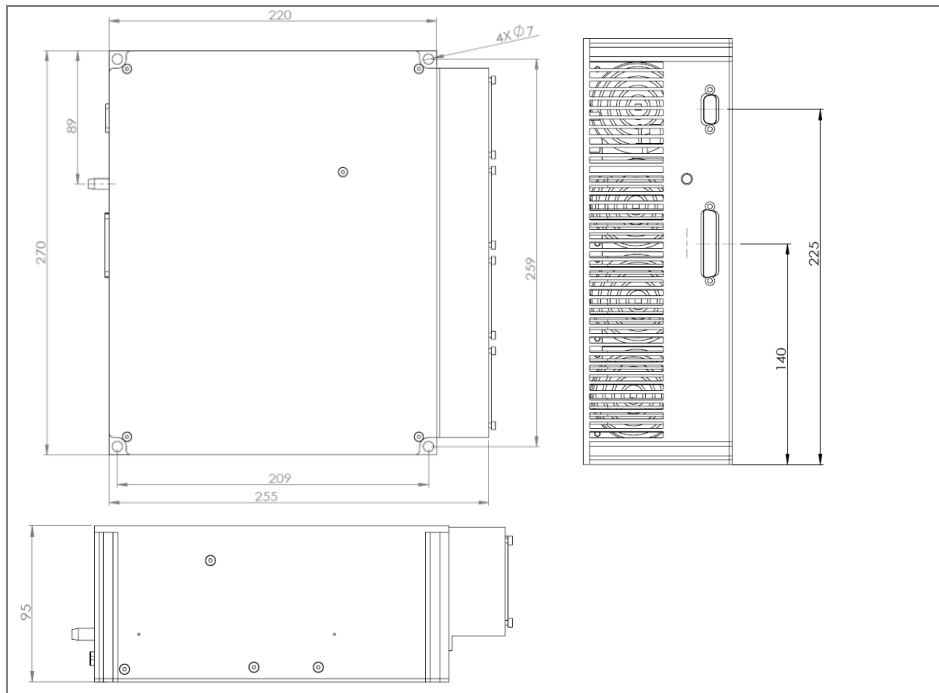
(Customization options available.)

Specifications subject to change without notice

General Characteristics:

Parameter	Specification
Operating current	13 A (nominal)
Operating voltage	24 V (nominal)
Modulation control signal	TTL
Operating temperature	10-30 °C
Storage temperature	-10 to +70 °C
Warm-up time	10 minutes
Package dimensions	270(W) x 255(D) x 95(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 custom requests, please contact AdValue Photonics at 1-520-790-5468 or sales@advaluephotonics.com.

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