

2 Micron CW Fiber Laser AP-CW1

With their compact size, high efficiency, low maintenance, and ease of operation, AdValue Photonics' 2 μ m fiber lasers provide many advantages over traditional bulk Holmium and Thulium solid state lasers.

Applications:

- LIDAR
- Gas sensing
- Mid-IR generation
- Test and measurement
- Scientific research

Features:

- Customizable operating wavelength
- Adjustable output power
- Near diffraction limited beam quality
- Turn-key system with no maintenance required



Optical Characteristics:

Parameter	Specification
Operation mode	CW
Operating wavelength	1950 nm (option: 1900-2100 nm)
Wavelength accuracy	± 5 nm nominal
Output power	5 W (higher or lower power available)
Power adjustment	10-100% max.
Spectral linewidth	< 1 nm
Beam quality, M^2	< 1.1
Output polarization	Random (option: linear polarization)
Output delivery	Optical fiber or fiber collimator

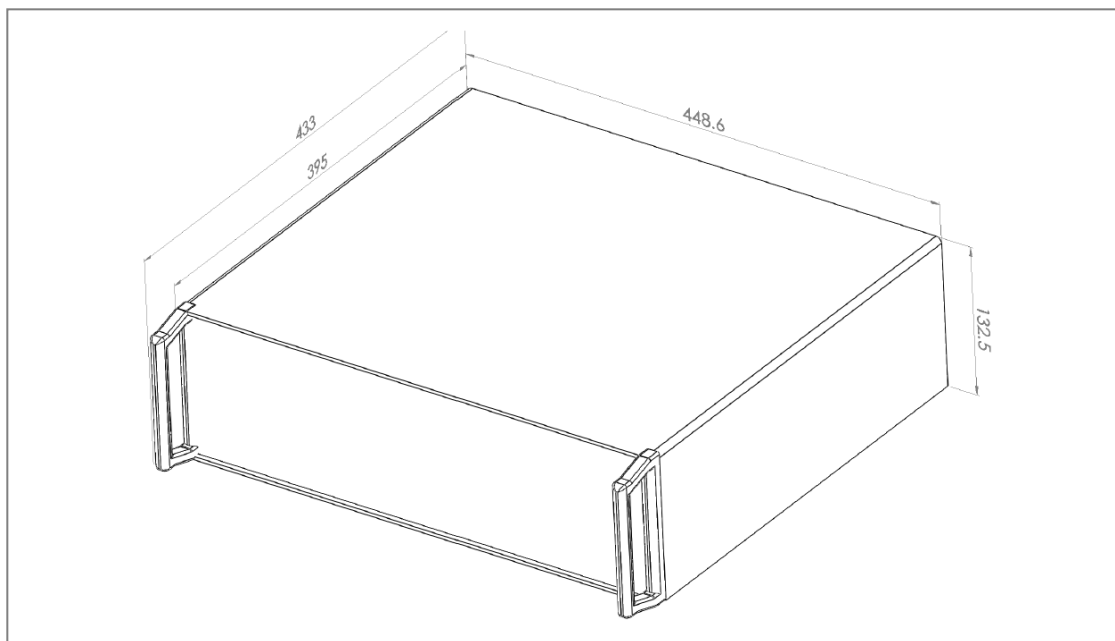
(For special requirement, please contact AdValue Photonics for options.)

Specifications subject to change without notice

General Characteristics:

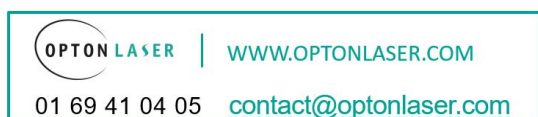
Parameter	Specification
Operating temperature	10 to +35 °C
Storage temperature	-10 to +70 °C
Cooling	Forced air
Power requirement	AC 100~240 V (50/60Hz)
Warm-up time	10 minutes
Package dimensions	448.6(W) x 433(D) x 132.5(H) mm

Mechanical Outline:



Ordering Information:

Part Number:	AP-CW1	-	xxxx	-	xx	-	xx
			Standard Wavelength: 1950 = 1950 nm Custom Wavelength: xxxx = xxxx nm		Output Power: 01 = 1 W 02 = 2 W 05 = 5 W 10 = 10 W		Polarization: RP = random polarization LP = linear polarization



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