

2 Micron Mode-Locked Fiber Laser AP-ML1

This world's first high power 2 μ m mode-locked fiber laser offers picosecond pulse width and high beam intensity, providing a new tool to research and industry applications.

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:

- Mid-IR generation
- Nonlinear optics studies
- Spectroscopy
- Research & development



**World's
First!**

Features:

- Short pulse width
- Broad spectral bandwidth
- High peak power
- Near diffraction limited beam quality
- Turn-key system with no maintenance required



Optical Characteristics:

Parameter	Specification
Operating wavelength	1.95 $\pm$ 0.05 μ m (option: 2.07 $\pm$ 0.02 μ m)
Average power	1 W (higher or lower power available)
Pulse width	< 3 ps (femtoseconds available)
Pulse repetition rate	20-40 MHz (non-adjustable factory set)
Peak power*	10 kW
Beam quality, M ²	< 1.3
Output polarization	Random (option: linear polarization)
Output delivery	Optical fiber armored cable terminated with collimator

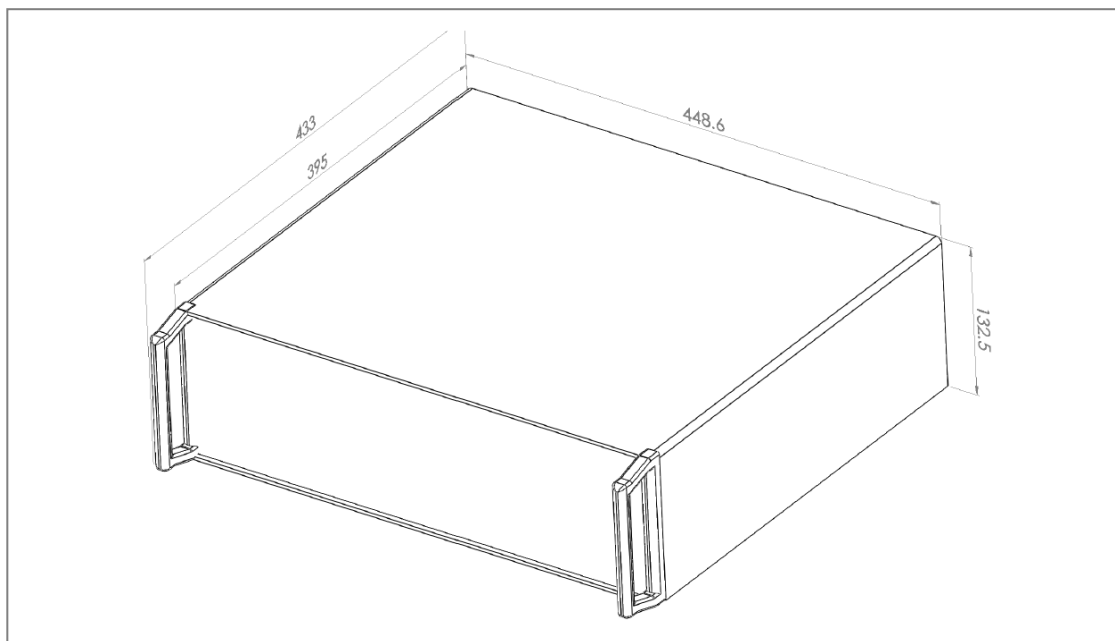
* For special requirement, please contact AdValue Photonics for options.

Specifications subject to change without notice

General Characteristics:

Parameter	Specification
Operating temperature	+18 to +30 °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-ML1	-	xxxx	-	xx or mxxx	-	xx
			Operating Wavelength: 1950 = 1.95±0.05 μm 2070 = 2.07±0.02 μm		Output Power: 01 = 1 W m300 = 300 mW		Polarization: RP = random polarization LP = linear polarization



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