

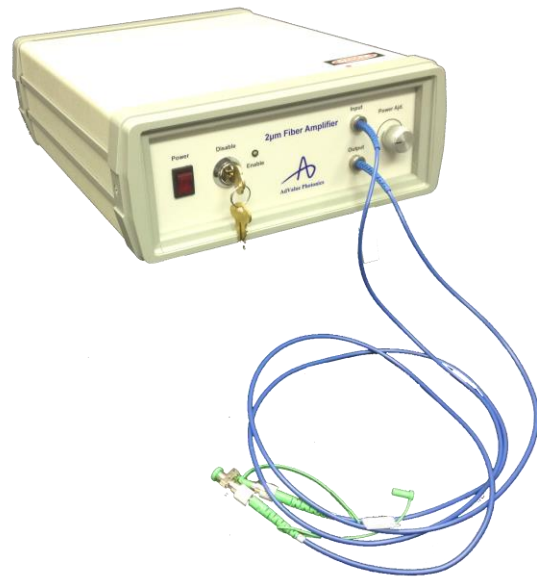
2 Micron Fiber Amplifier

AP-AMP

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

Applications:

- LIDAR
- Gas sensing
- Mid-IR generation
- Spectroscopy
- Test and measurement
- Research & development



Features:

- Wide wavelength range
- Adjustable power level
- Diffraction limited beam quality
- Turn-key system with no maintenance required

Optical Characteristics:

Parameter	Specification
Model	AP-AMP-2000
Gain wavelength range	1920-2020 nm
Output power (nominal)	200 mW (for 1 mW input at 1940-1980 nm)
Power adjustment	10-100% max.
Output power stability	±5% (8 hours at 25 °C)
Beam quality, M ²	< 1.1
Output polarization	Random (option: polarization maintaining)
Output fiber	Input: SMF-28 single mode fiber, 3 mm jacket, 1 m length, FC/APC connector Output: SMF-28 single mode fiber, 3 mm jacket, 1 m length, no connector

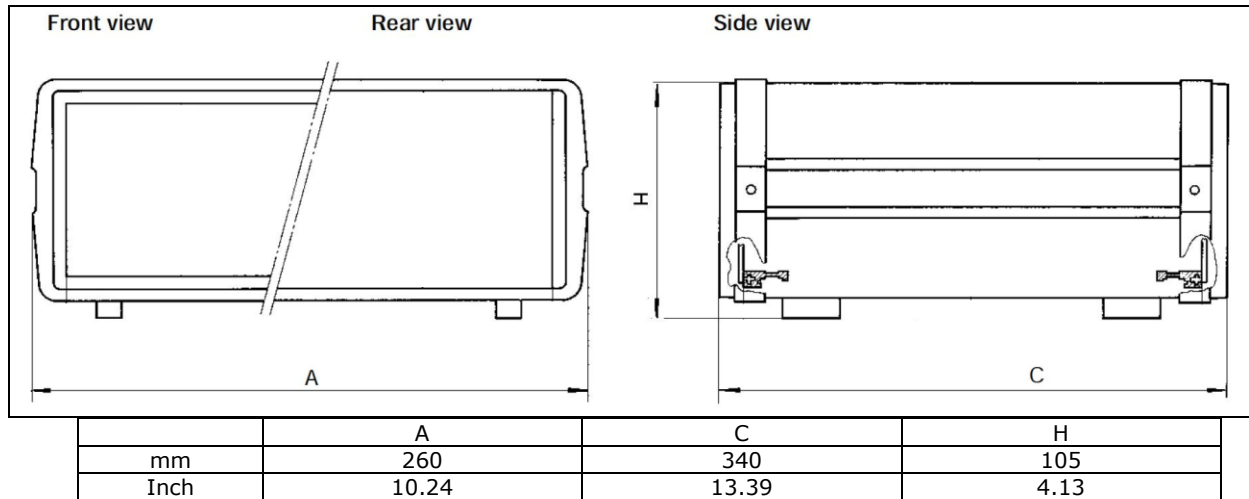
(Customization options available.)

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 100~240V (50/60Hz)
Warm-up time	10 minutes
Package dimensions	260(W) x 340(D) x 105(H) mm
Weight	4.2 kg

Mechanical Outline:



Ordering Information:

Part Number: AP-AMP - xxxx - mxxx - xx

Standard Band: 2000 = 1940-1980 nm
 Custom Wavelength: xxxx = xxxx nm

Output Power:
 m200 = 200mW

Polarization:
 RP = random polarization
 PM = polarization maintaining

For custom requests, please contact AdValue Photonics at 1-520-790-5468 or sales@advaluephotonics.com.



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