AdValue Photonics
Innovative & Reliable

2 Micron Fiber Amplifier

AP-AMP1

With their compact size, high efficiency, low maintenance, and ease of use AdValue Photonics' 2μm 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
- Near diffraction limited beam quality
- Turn-key system with no maintenance required

Optical Characteristics:

Parameter	Specification
Gain wavelength	1900-2100 nm options
Output power	5 W (higher or lower power available)
Power adjustment	10-100% max.
Output power stability	±5% (8 hours at 25 °C)
Beam quality, M^2	< 1.1
Output polarization	Random (option: linear polarization)
Input/Output fiber	Input: SMF-28 single mode fiber, 3 mm jacket, 1 m length, FC/APC connector Output: Optical fiber or fiber collimator options

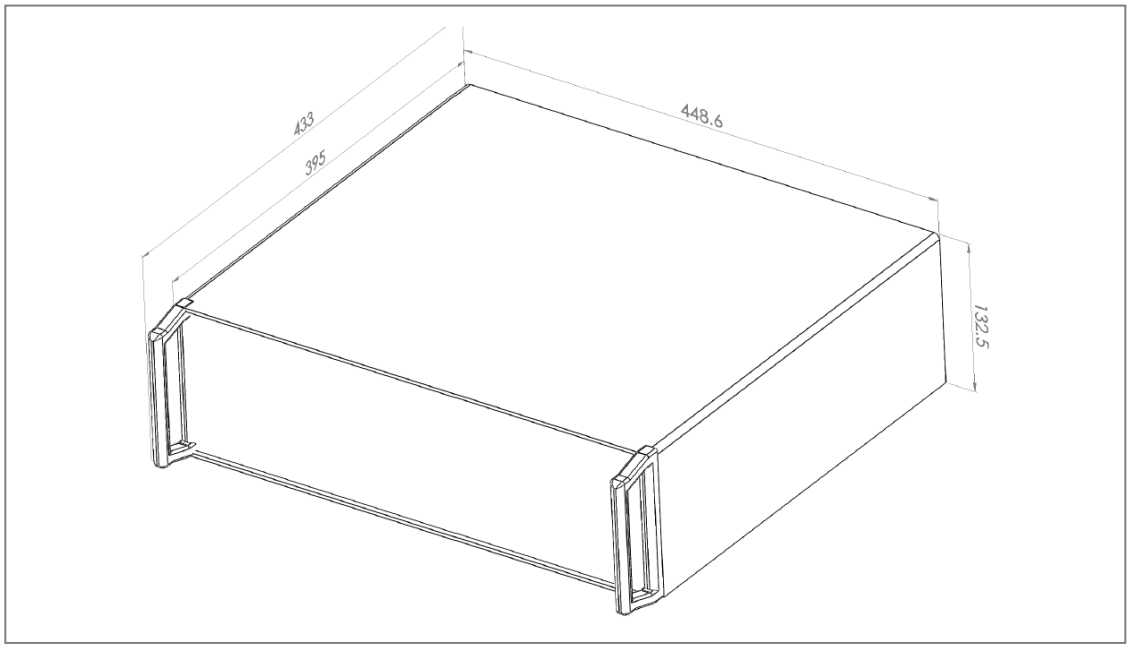
(For special requirement, please contact AdValue Photonics for options.)

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 100~240V (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-AMP1	-	xxxx	-	xx	-	xx
			Wavelength: xxxx = xxxx nm		Output Power: 01 = 1 W 05 = 5W		Polarization: RP = random polarization LP = linear polarization

Specifications subject to change without notice