

1064nm Yb-doped polarization-maintaining fiber amplifier 50W



● Product Description

The Laser benchtop YDFA (Yb-Doped Fiber Amplifier) internally uses high-power, high-performance multimode semiconductor pump sources, highly stable wavelength division multiplexers (combiner), and high gain coefficient Yb-doped optical fibers. The YDFA adopts an integrated all-fiber system design with a fully polarized structure, with the power supply, control section, and optical system highly integrated to provide a user-friendly turnkey laser system.

● Part Number

YDFA-1064-50-PM

● Product features

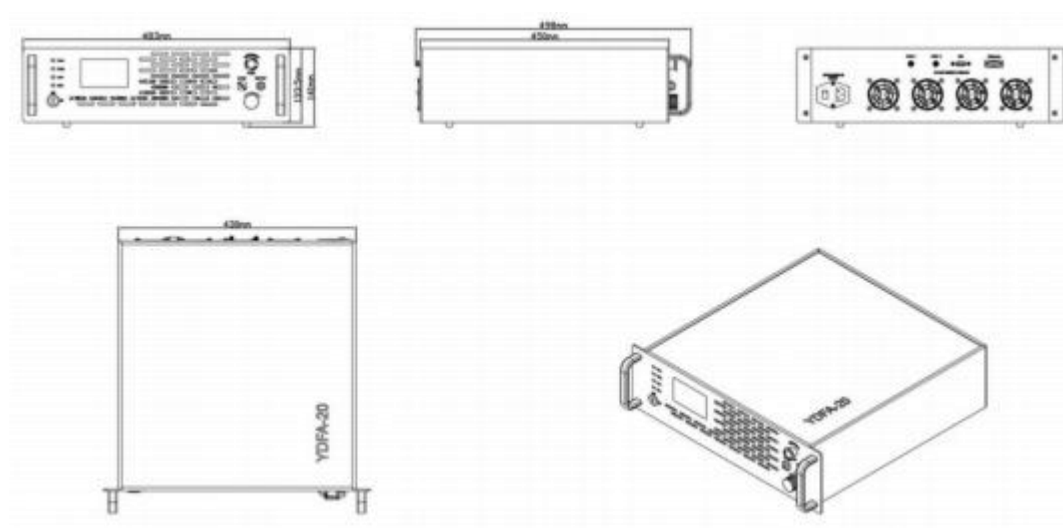
Wide gain bandwidth、 High signal-to-noise ratio、 Outstanding power stability、
 High power output

● Application area

OPA pumping、 Pump detection、 Laser ranging、 Supercontinuum generation

Parameters

Dimensional Drawing



Technical Parameters

Parameters	Unit	Value
Operating Wavelength	nm	1015-1090
Input Power	mW	>5
Output Power	W	10/20/50
Gain Peak Wavelength	nm	1064
Optical Noise Figure	dB	<8
Output Polarization		Random/Linear
Output Fiber		Collimated output head (>1W)
Electrical, Environmental, and Mechanical Parameters		
Power Supply Voltage	VAC	100-240 (50Hz/60Hz)
Operating Temperature	°C	15~35

Operating Humidity	%	20~80(non-condensing)
Storage Temperature	℃	-20~+50
Storage Humidity	%	20~80(non-condensing)
Machine Weight	kg	7
Dimensions (LxWxH)	mm	483x498x141 (LxWxH)