

1064nm Ytterbium-doped Polarization-Maintaining Fiber Amplifier 10W



● Product Description

The laser benchtop mirror-doped fiber amplifier YDFA uses a high-power, high-performance multimode semiconductor pump source, a high-stability wavelength division multiplexer (beam combiner), and a high-gain coefficient ytterbium-doped fiber. YDFA adopts an "integrated all-fiber system" design with a full polarization-maintaining structure. The power



supply, control part and optical system are highly integrated to provide users with an easy-to-use turnkey laser system.

● Product features

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

● Part Number

MP-YDFA-1064-10W-PM

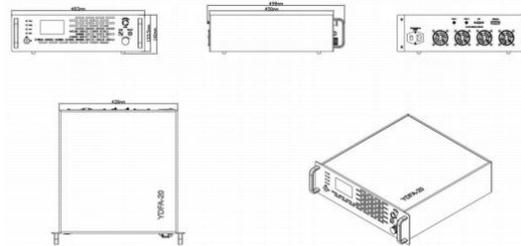
● Application area

OPA pumping、 Pump detection、 Laser ranging、 Supercontinuum generation

● Core parameters

Wavelength	Output Power
1064nm	10W

● Dimension Drawing



● General Parameters

Technical Parameters

Parameters	Unit	Value
Operating Wavelength	nm	1015-1090
Input Power	mW	>10
Output Power	W	10
Gain Peak Wavelength	nm	1064
Optical Noise Figure	dB	<8
Output Polarization		Random/Linear Polarization
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	°C	-20~+50
Storage Humidity	%	20~80(non-condensing)
Machine Weight	kg	7
Appearance dimensions	mm	(LxWxH) 483x498x141