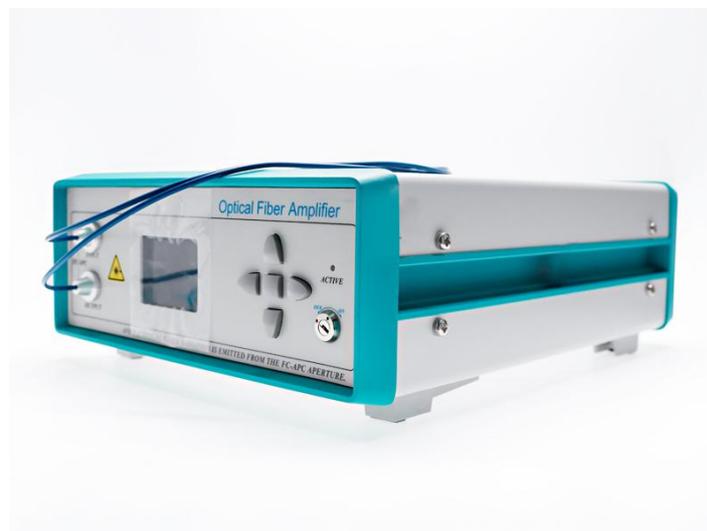


1064nm Yb-doped polarization-maintaining fiber amplifier 2W



● Product Description

The desktop laser-doped fiber amplifier (YDFA) incorporates a high-power, high-performance multi-mode semiconductor pump source, a highly stable wavelength division multiplexer (combiner), and a Yb-doped fiber with a high gain coefficient. The YDFA uses an integrated all-fiber system with a fully polarization-maintaining design, where the power supply, control system, and optical components are highly integrated, providing users with

an easy-to-use turnkey laser system.

● Product features

Wide wavelength range、 Low noise、 High power output

● Part Number

MP-YDFA-1064-2W-PM

● Application area

Fiber optic communication、 Fiber optic sensing、 Fiber optic laser

● Core parameters

Wavelength	Output Power
1064nm	2W

● General Parameters

Parameters

Optical Parameters	Unit	Typ.	Note
Wavelength Range	nm	1030~1100	
Input Power	dBm	0-10	Customizable

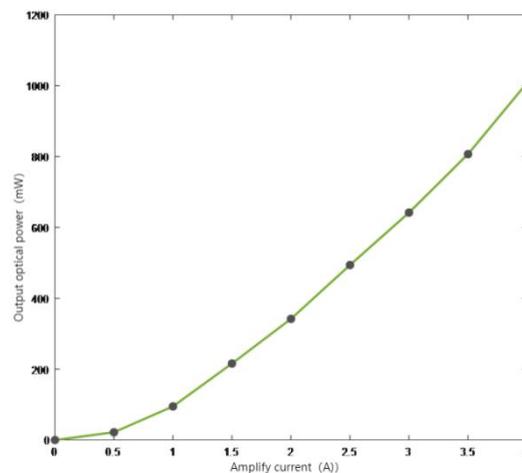
Saturation Output Power	dBm	17/20/23/25/26/27/3 0/33	
Noise Figure	dB	5	
Polarization-Related Gain	dB	<0.3	
Input/Output Isolation	dB	>35	
Pigtail Type	-	HI1060SM fiber or PM980 PM fiber	
Pigtail Connector Type		FC/APC	
Operating Mode		Automatic Current Control (ACC) / Automatic Power Control (APC)	*See Note 1
Electrical and Environmental Parameters	Benchtop	Module	
Control Mode	Keypad	RS232 Serial Communication	
Communication Interface	*Optional	DB9 Female	



Power Supply	100-240VAC,<30W	5v DC,<15W	
Dimensions	260(W) × 280(D) × 120(H)mm	125(W) × 150(D) × 20(H)mm	
Operating Temperature	-5~+55°C		
Operating Humidity	0-70%		
Ordering Information / PN#			
YDFA	Saturation Output Power (dBm)	Fiber Type	Package Type
	17/20/23/25/26/2 7/30/33	SM=HI1060SM fiber PM=PM 980PM fiber	M=Module B=Benchtop

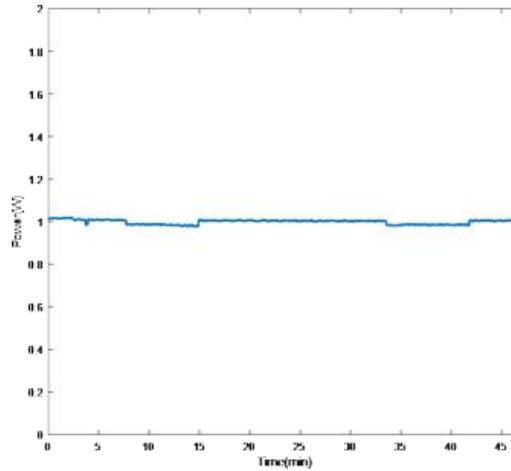
Test Result

1. Amplified Optical Power vs. Current Graph (Seed Power = 1mW):





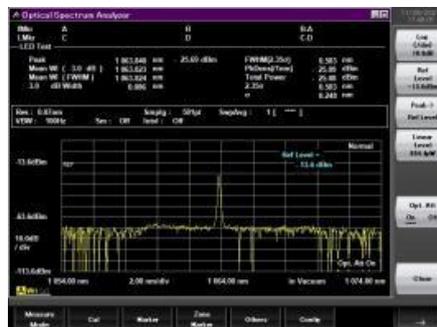
2. Stability test of the amplified power at 1064 nm with a 4A current (seed power = 1mW):



3. Spectral diagram before and after amplification:



Before



After