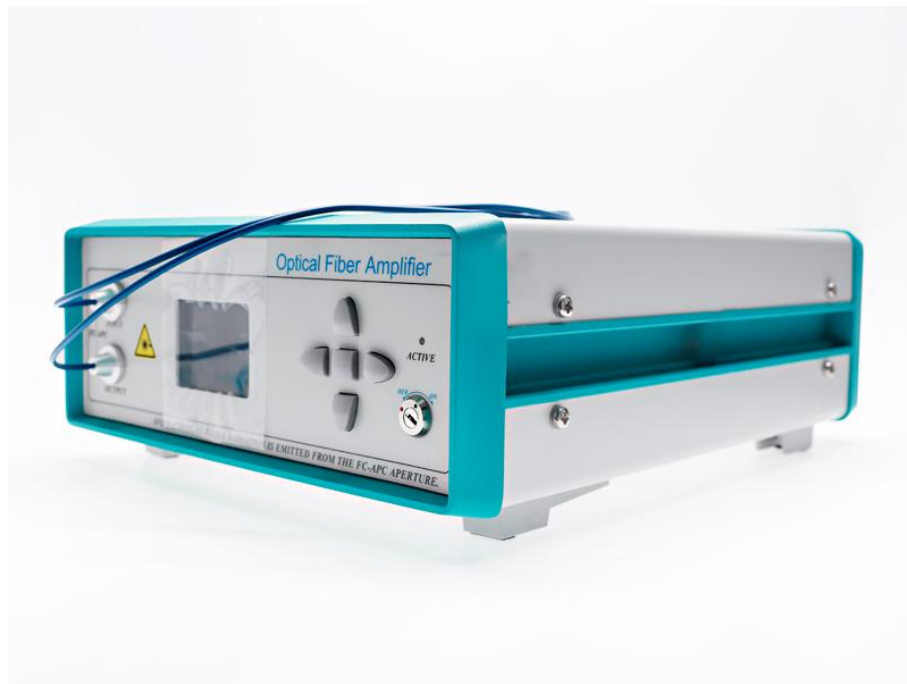


## C-band benchtop PM Erbium-Ytterbium co-doped fiber amplifier 33dBm



- **Product Description**

The C-band high power polarization-maintaining erbium-doped fiber amplifier is based on the principle of stimulated laser amplification of optical signals in erbium-doped fiber. It employs a unique multi-stage optical amplification design and reliable high-power laser heat dissipation technology to achieve high-power polarization-maintaining output for lasers with wavelengths ranging from 1535 to 1565 nm. It offers advantages

of high power, high extinction ratio, and low noise, making it suitable for applications in fiber optic communication, lidar, and more.

- **Product features**

High output power (up to 10 watts) 、 High gain coefficient 、 High polarization extinction ratio.

- **Part Number**

MP-EYDFA-C-2W-PM

- **Application area**

Fiber Optic Communication、 Fiber Optic Sensing、 LiDAR

- **Core parameters**

Wavelength	Output Power	Connector
1535-1565nm	33dBm	FC/APC

## ● General Parameters

### Technical Parameters

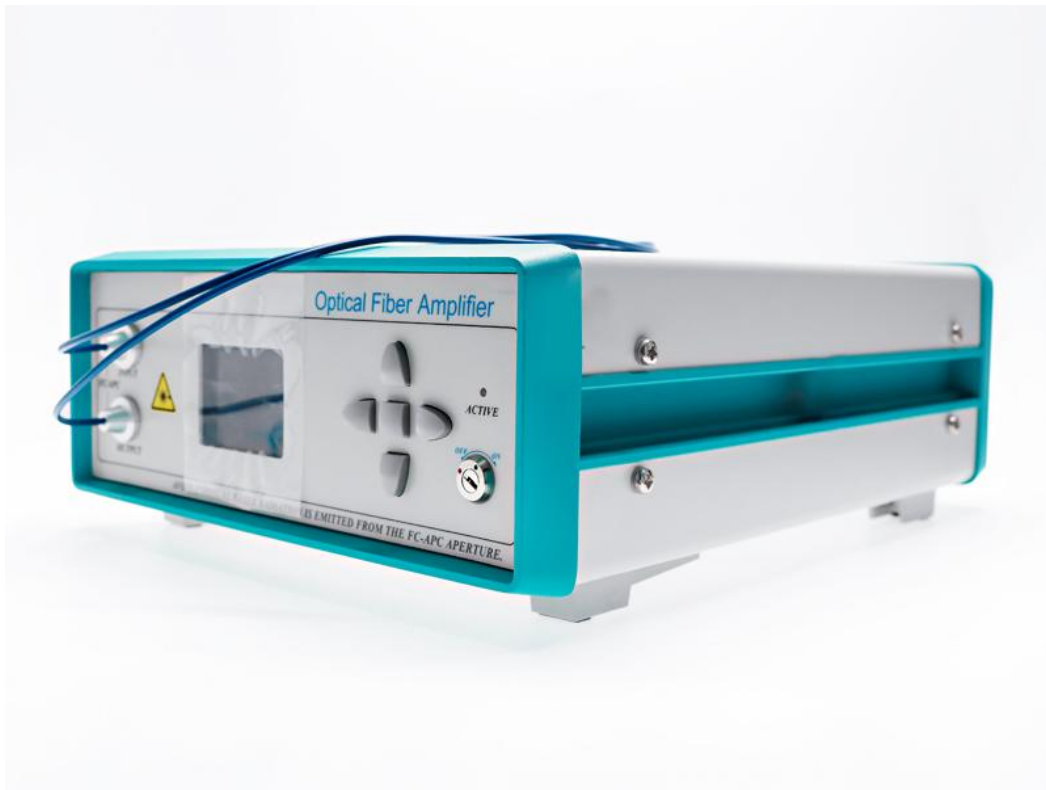
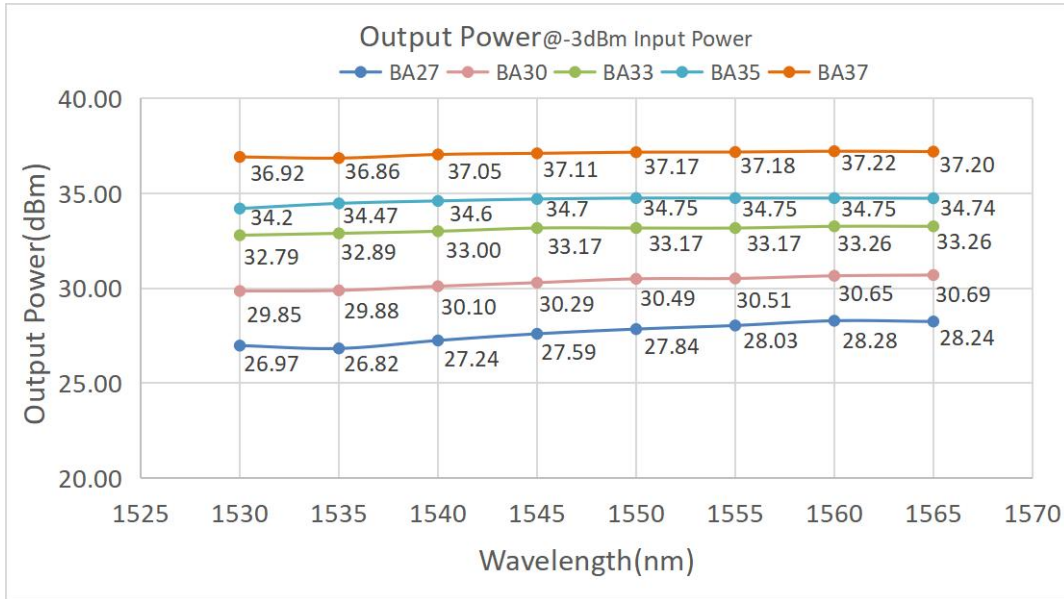
Optical Specs	Unit	Typ.	Remarks
Wavelength Range	nm	1535~1565	Other wavelengths can be customized
Input Power	dBm	-6~+10	
Saturated Output Power	dBm	27/30/33/35/37/40	@0dBm Input
Adjustable Output Power Range	-	10%~100%	
Noise Figure	dB	<6.0	@0dBm Input
Polarization Extinction Ratio	dB	23(Type), 20(Min)	
Input/Output Isolation	dB	>35	
Optical Power Monitoring	-	Input/Output optical power monitoring	
Pigtail Type	-	PM1550	
Pigtail Connector Type	-	FC/APC	For power testing only
Operating Mode		Automatic Current Control (ACC) / Automatic Power Control (APC)	



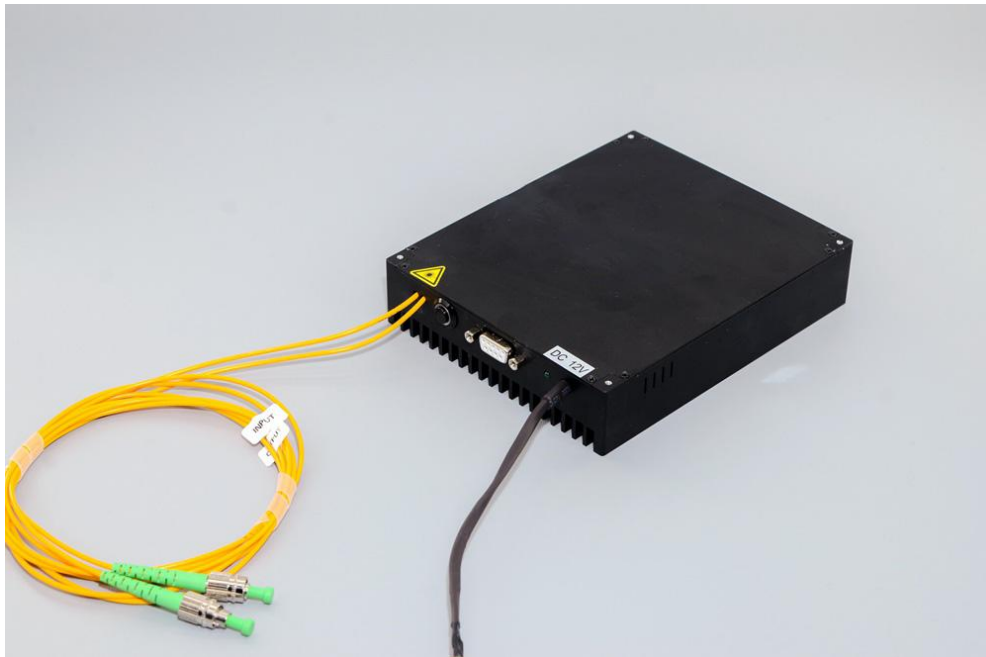
Electrical and Environmental Parameters		Benchtop	Module
Control Mode		Keypad	RS232 Serial Communication
Communication Interface		Optional	DB9 Female
Power Supply		100~240VAC,<150W	12V DC,<60W
Dimensions	27/30/33 dBm	260(W)×320(D)×120(H)mm	125(W)×150(D)×30(H)mm
	35/37/40 dBm	360(W)×350(D)×120(H)mm	139(W)×235(D)×70(H)mm
Operating Temperature Range		-5~+35°C	
Operating Humidity Range		0~70%	

## PN#/Ordering Info

EYDFA	Operating Wavelength	Amplifier Type	Output Power(dBm)	Fiber Type	Packaging
	C = C-Band	HP-BA = High Power BA Amplifier	27/30/33/35/ 37/40	PM=Polarization Maintaining Fiber	M=Module B=Benchtop



Desktop Package: 260(W) × 320(D) × 120(H) mm



**0.5W~3W High Power Module (150 × 125 × 31.5 mm)**



**5W~10W High Power Module (139 × 235 × 70mm)**