

## Polarization Maintaining Erbium-doped Fiber Amplifier for C-band

Polarization-maintaining erbium-doped fiber amplifier (EDFA-PM) is a series of fiber amplifier products dedicated to polarization-maintaining fiber systems. It has the advantages of full polarization-maintaining, high gain, and high power. It supports host computer software control, and is compact and easy to integrate. Customers need to provide desktop or modular packaging and accept parameter customization.

### Key Features

- All PM designs
- High Output Power
- High Gain Factor

### Applications

- Fiber Communications
- Fiber Lasers
- Fiber Sensors



## For more Info

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## Performance Specifications Polarization Maintaining Erbium-doped Fiber Amplifier for C-band

Optical Parameter	Unit	Typical Values		Remark
Model	-	Small signal amplifier PA	Power amplifier BA	
Wavelength Range	nm	1530~1565nm		C-band
Input Power	dBm	-30~-20	-6~-+3	
Saturated output power	dBm	14	-	
		-	17/20/23	
Small signal gain factor	dB	30	25	@-3dBm input
Noise Figure	dB	5		
Gain Flatness	dB	3		
PER	dB	23(Type), 20(Min)		
Polarization Mode Dispersion	ps	0.5		
Input/output Isolation	dB	>35		
Fiber Type	-	PM1550-XP panda		1.0m length
Optical Connector	-	FC/APC(Connector key is aligned to slow axis)		
Control Mode	-	ACC	ACC/APCA	

Electrical and environmental parameters	Desktop	Module
Control Mode	Button	RS232
Communication Interface	* Optional	DB9 Female
Power Supply	100~240V AC, <30W	5V DC, <15W
Dimensions	260(W)×280(D)×120(H)mm	125(W)×150(D)×20(H)mm
Operation Temperature Range	-5~+55°C	
Operation Humidity Range	0~70%	

## Order information P/N: ①-②-③-④-⑤-⑥

When you inquire, please provide the correct P/N number according to our ordering information, and attach the appropriate description would be better.

①	②	③	④	⑤	⑥
EDFA	Operation Wavelength	Amplifier type	Output power(dBm)	Fiber Type	Package Type
	C: C-band	PA: Small signal amplifier	Gain factor (dB): 30	PM:PM1550 panda	M: Module
		BA: Booster Amplifier	Saturated output power (dBm): /17/20/23		B: Desktop

## Ordering Information for Custom Parts

If you need to customize other specifications, please provide detailed description for your requirement.