

Polarization Maintaining Erbium-doped Fiber Amplifier for C-band

The polarization-maintaining erbium-doped fiber amplifier (EDFA-PM) is a series of fiber amplifier products specially designed for polarization-maintaining fiber systems. We can be based on customers' needs to provide desktop or modular packaging and accept parameter customization.

Characteristics

- High Polarization Extinction Ratio
- High Gain
- Low Noise

Applications

- Fiber Communication
- Fiber Sensing
- Fiber Laser

Optical Parameters	Unit	Typical Value		Remarks
Product Code		EDFA-C-PA	EDFA-C-BA	
Operating Wavelength	nm	1530~1565		
Input Signal Power	dBm	-30~-20	-6~+3	
Saturation Output Power	dBm	14	17/20/23/26	@-3dBm input
Small Signal Gain	dB	30	25	
Noise Figure	dB	5	5	
Polarization Extinction Ratio	dB	23(Type), 20(Min)		
Polarization Mode Dispersion	ps	0.5		
Input/output Isolation	dB	>35		
Optical Power Monitoring	-	Output Power		
Optical Fiber	-	PM1550		
Fiber connectors	-	FC/APC		Slow Axis aligned to Key
Control mode	-	ACC	ACC/APC	

General Parameters	Desktop	Module
Control function	Keystroke	RS232 serial Communication
Remote Control Port	Optional	DB9 Female
Power Supply	AC100~240V, <30W	DC5V, <15W
Dimensions	260(W)×280(D)×120(H)mm	125(W)×150(D)×20(H)mm
Operation Temperature	-5~+35°C	
Operation Humidity	0~70%	

Ordering Information / Model Number					
EDFA	Wavelength	Product Type		Saturation Output Power	Fiber
	C=C band	PA= Pre-Amplifier	Gain(dB)	PM=PM fiber	M=Module B=Desktop
			30		
		BA= Booster Amplifier	Saturated Power(dBm)		
			17/20/23/26		