

High-Power Polarization Maintaining EDFA for C-band

Key Features

- All PM designs
- High Output Power
- High Gain

C-band high-power polarization-maintaining erbium-doped fiber amplifiers are based on the principle of laser amplification of optical signals in erbium-doped fibers, using unique multi-stage optical amplification design and reliable high-power laser heat dissipation technology to achieve high power of 1540~1565nm wavelength laser Polarization maintaining output. It has the advantages of high power, high extinction ratio, and low noise, and can be used for optical fiber communication, laser radar, etc.

Applications

- Fiber Communications
- Fiber Lasers
- Fiber Sensors



For more Info

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Performance Specifications High-Power Polarization Maintaining EDFA for C-band

Optical Parameter	Unit	Typical Values	Remark
Wavelength Range	nm	C-band:1540~1565nm	C-band
Input Power	dBm	-6~+10	
Saturated output power	dBm	30/33/37/40	@-0dBm input
Noise Figure	dB	<6	@-0dBm input
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 or Fiber collimator	FC/APC only for low power test
Control Mode	-	Automatic current control (ACC) / Automatic power control (APC)	*Note 1

Electrical and environmental parameters	Desktop	Module
Control Mode	Button	RS232
Communication Interface	* Optional	DB9 Female
Power Supply	100~240V AC, <150W	12V DC, <60W
Dimensions	BA30/33dBm:260(W)×320(D)×120(H)mm BA37/40dBm:360(W)×350(D)×120(H)mm	125(W)×150(D)×30(H)mm *Only for BA30/33dBm
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	HP-BA: High power BA amplifier	30/33/37/40	PM:PM Fiber	M: Module B: Desktop

Ordering Information for Custom Parts

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