



Key Features

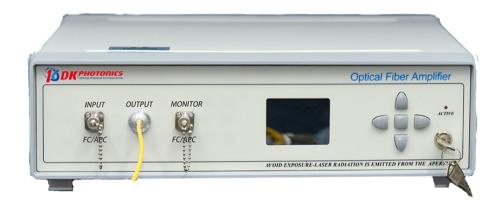
- All PM designs
- High Output Power
- High Gain

High-Power Polarization Maintaining EDFA for C-band

C-band high-power polarization-maintaining erbium-doped fiber amplifiers are based on the principle of laser amplification of optical signals in erbiumdoped 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	
	-	Automatic current control (ACC) /	*Note 1	
Control Mode		Automatic power control (APC)		

Electrical and environmental parame- ters	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	125(W)×150(D)×30(H)mm	
	BA37/40dBm:360(W)×350(D)×120(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.