

## Gain Flattened Erbium-doped Fiber Amplifier for C-band

### Key Features

- High Gain
- High Dynamic Range
- High Power Output

Gain flat erbium-doped fiber amplifier is a series of fiber amplifier products dedicated to optical fiber communication systems. It can amplify multiple wavelength signals in the C-band at the same time, and keep the gain between each wavelength consistent, and the gain flatness is  $\leq 1.5$  dB. It has the advantages of broad spectrum, multiple wavelengths, flat gain, and high gain and low noise.

### Applications

- Fiber Communications
- Fiber Lasers
- Fiber Sensors



## For more Info

### Please contact us at:

Tel: +86-755-23736280

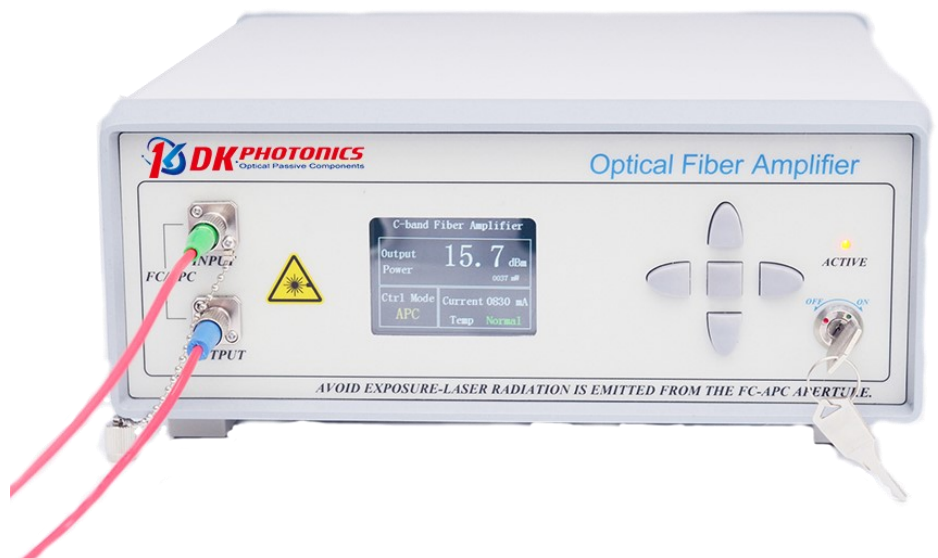
Fax: +86-755-26746512

E-mail: [sales@dkphotonics.com](mailto:sales@dkphotonics.com)

<https://www.dkphotonics.com>

Add.:

4F, Bldg. 18, Qinghu Industrial Park,  
Dahe Road, Longhua Dis.,  
Shenzhen, China 518109



## Performance Specifications Gain Flattened Erbium-doped Fiber Amplifier for C-band

Optical Parameter	Unit	Typical Values		Remark
Model	-	EDFA-PA-GF	EDFA-BA-GF	
Wavelength Range	nm	1530~1560nm		C-band
Input Power	dBm	-35~-25	-45~-25	
Saturated output power	dBm	14	17/20/23	
Small signal gain factor	dB	25		
Noise Figure	dB	5		
Gain Flatness	dB	1.5(Type), 0.8(Min)		
Polarization Dependent Gain	dB	<0.3		
Polarization Mode Dispersion	ps	0.5		
Input/output Isolation	dB	>35		
Fiber Type	-	SMF-28		1.0m length
Optical Connector	-	FC/APC		
Control Mode	-	ACC	ACC/APC	

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-GF: Gain flat type PA BA-GF: Gain flat type BA	Gain factor (dB): 25 Saturated output power (dBm): 15/17/20/23	SM: SMF-28e PM:PM1550 panda	M: Module B: Desktop

## Ordering Information for Custom Parts

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