

Erbium-doped Fiber Booster Amplifier for L-band

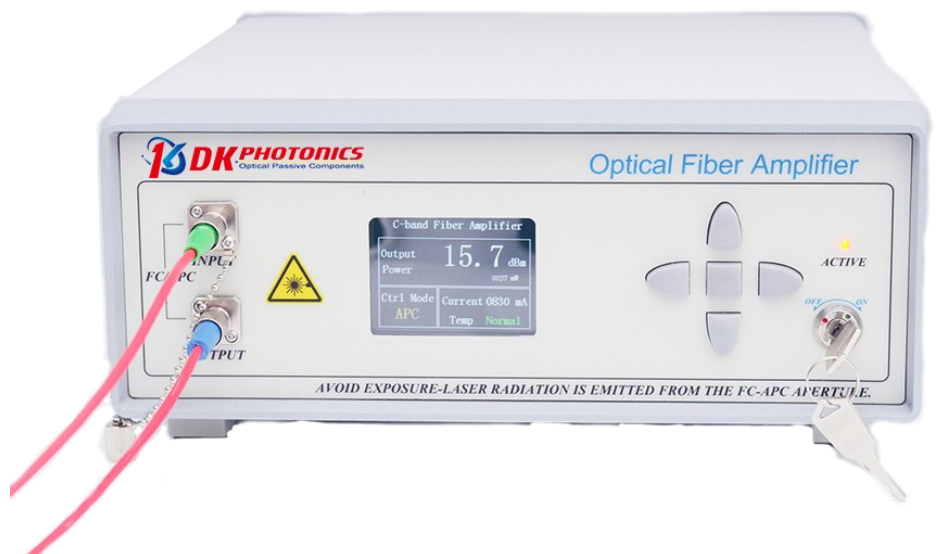
Key Features

- Covering L band
- High gain factor
- High output power

The L-band erbium-doped fiber amplifier is a series of optical power amplifier products dedicated to fiber laser or fiber communication systems. The working wavelength covers 1570~1603 nm, and it has the advantages of 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

<https://www.dkphotonics.com>

Add.:

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

Fiber Amplifier Series

Performance Specifications Erbium-doped Fiber Booster Amplifier for L-band

Optical Parameter	Unit	Typical Values	Remark
Wavelength Range	nm	1570~1603nm	C-band
Input Power	dBm	-6~+3	
Saturated output power	dBm	15/17/20/23/25	@-3dBm input
Noise Figure	dB	5.0	@-3dBm input
Gain Flatness	dB	3	
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	-	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, <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%	

Note 1:

- ACC mode-automatic current control: the EDFA pump working current is set by the user and automatically locked by the EDFA to achieve a constant pump current. When the input optical power fluctuates, the output power will also fluctuate accordingly, which is applicable to all EDFA models.
- APC mode-automatic power control: the user sets the signal light output power of the EDFA, PD automatically monitors and feeds back the output power, EDFA control and self-adaptive adjustment of the pump to achieve the stability of the output signal. The advantage of the APC mode is that when the input optical power fluctuates, the EDFA will reduce the output power fluctuation as much as possible, and it is suitable for power and line EDFAs.

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	BA: Booster Amplifier	15/17/20/23/25	S28: SMF-28e	M: Module B: Desktop

Ordering Information for Custom Parts

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