

Single Channel Erbium-doped Fiber In-Line Amplifier for C-band

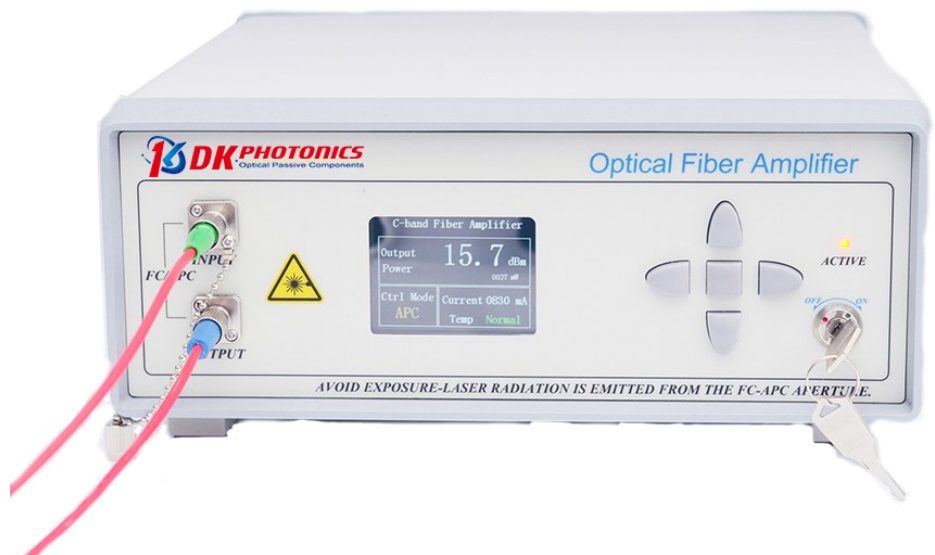
Erbium-doped fiber line amplifier (LA, In-Line Amplifier) is an optical power amplifier product dedicated to line relay in fiber laser or fiber communication systems. It combines the advantages of PA amplifier and BA amplifier, with high gain, high transmit power, the advantage of relatively low noise is used between fiber sections to increase the length of the relay or in the corresponding single-to-multipoint part of the optical access network to compensate for branch loss.

Key Features

- High Gain
- High Dynamic Range

Applications

- Fiber Communications
- Fiber Lasers
- Fiber Sensors



For more Info

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Performance Specifications Single Channel Erbium-doped Fiber In-Line Amplifier for C-band

Optical Parameter	Unit	Typical Values	Remark
Wavelength Range	nm	1530~1565nm	C-band
Input Power	dBm	-25~-3	
Saturated output power	dBm	13/17/23/25/26	@-10dBm input
Small signal gain factor	dB	35	@-25dBm input
Noise Figure	dB	5.5	@-10dBm input
Gain Flatness	dB	3	
Polarization Dependent Gain	dB	<0.5	
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%	

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	Gain(dB)	Fiber Type	Package Type
	C: C-band	LA: In-Line Amplifier	13/17/23/25/2	SM: 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.