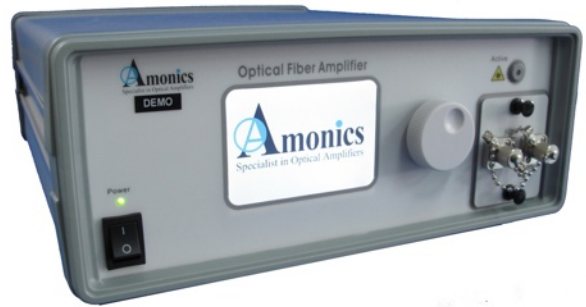


Applications

- SONET/SDH Systems
- Optical Communications
- Fiber Optic Sensing
- CATV
- Laboratory

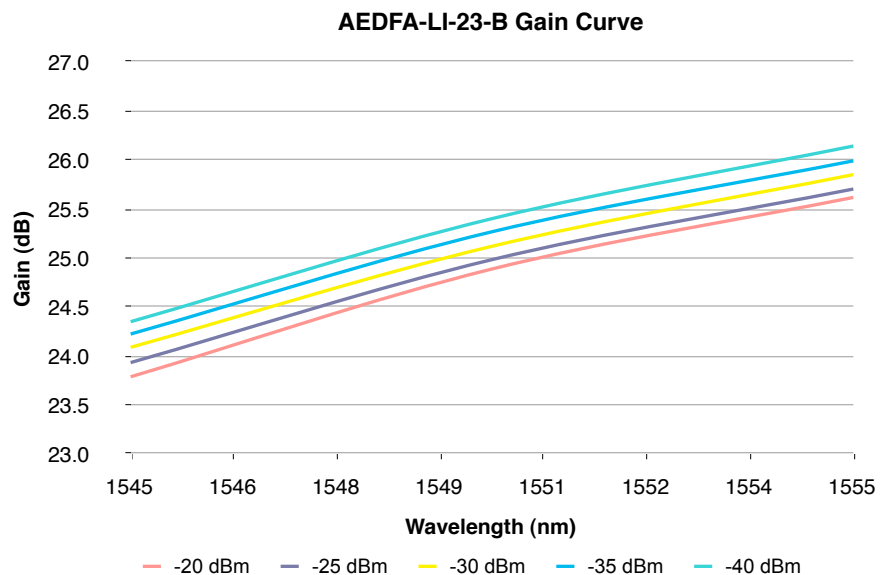


Description

Amonics' specialist products, Erbium-doped Fiber Amplifiers(EDFA), are made with high power pump laser and high stability pump combiners, robust in high power boosting. The result are EDFAs that possess high output power, linear gain with very low noise, and are ideal for high power EDFA applications. The turnkey microprocessor controlled benchtop EDFAs manage alarms and status indicators. An integrated RS232 computer interface enables easy control, diagnostic functions and data acquisition. The benchtop EDFA series consist of different type of EDFAs for various applications such as general purpose, pre-amplifier, booster, in-line, polarization maintaining, C+L band amplification.

Key Features

- Turnkey device
- RS232/Ethernet computer interface
- High output power
- Linear gain
- Low noise figure
- Two year warranty



Linear EDFA Specifications

	AEDFA-LI-20	AEDFA-LI-23
Input Signal Level	-40 to - 20dBm	-40 to - 20dBm
Small-Signal gain (at all operating wavelength)	> 20dBm	> 23dBm
Noise Figure @ 1550nm (Typ)	5.5dB	6.0dB
Gain Linearity @ 1550nm (Typ)	0.8 dB	
Operating Wavelength	1550 +/- 5 nm	
Input Isolation	> 30dB	
Output Isolation	> 30dB	
Polarization Dependent Gain	Typ. 0.3dB	
Control Mode	ACC, (Option : APC. AGC)	

* Other output power models available upon request

General Environmental Parameters

Parameter	Unit	Specification
Operation Temperature Range	°C	0 to +40
Storage Temperature Range	°C	-10 to +70
Power Supply	VAC	90 – 240, 47 – 63Hz
Dimensions	mm	260(W) x 330(L) x 120(H)
Control	-	Keylock switch, optical output power
LCD Display	-	Output power, Pump laser current
Computer Interface	-	RS232 (Labview contro software & connection cable included) / Ethernet (option)
Protection	-	Pump laser over heat warning
Optical Connector	-	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	-	SMF - 28

Option:

- Gain Flattening Filtering
- APC or AGC Control Mode
- Input Power Monitoring
- Benchtop or 19" Rackmount Housing



Ordering Information

Product Code	AEDFA-LI-xx-y-zz	xx : Gain Linear in dB y : B for Benchtop case, R for 19" Rackmount case zz : FA for FC/APC, FC for FC/UPC SA for SC/APC, SC for SC/UPC
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Amonics undertakes a continuous and intensive product development to ensure its products perform to highest technical standards. As a result, the specifications in this document are subject to change without notice.

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