

Key Features

- Turnkey device
- RS232/Ethernet interface
- High output power
- High gain
- Low noise figure
- Highly reliable and durable

1U Rackmount Casing



Benchtop Casing



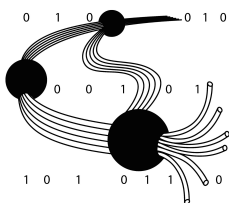
1550nm - CW

Description

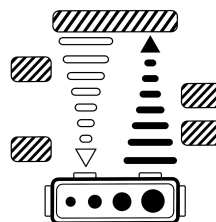
L-band and Extended L-band DWDM Erbium-doped Fiber Amplifiers (EDFA) are among the Amonics' specialist products. They are designed with high-power pump laser and high-stability pump combiners, renowned for robustness in high power boosting. The EDFAs feature high output power, high gain with very low noise, and they can be customized to accommodate a wide range of input signal levels. They are thus ideal for various demanding applications.

The turnkey microprocessor-controlled EDFAs provide illustrative alarms and status indicators. An integrated RS232 computer interface enables easy control, diagnostic functions and data acquisition. The EDFAs are available in both benchtop and rackmount casings.

Application



- SONET/SDH Systems
- Optical Communications



- Fiber Optic Sensing



- DWDM applications



ISO 9001 : 2015

Certificate No.: CC 5346

Our product is manufactured under a HKQAA ISO 9001 certified quality management system. The ISO 9001:2015 certification applies to the Hong Kong production site only

Specifications

Model	AEDFA-L-DWDM	AEDFA-L-EX1-DWDM	AEDFA-L-EX2-DWDM	Remarks
Saturation Output Power	+22 dBm	+22 dBm	+22 dBm	
Wavelength	1570 nm to 1603 nm	1570 nm to 1610 nm	1570 nm to 1620 nm	
Gain	21, 25 dB	21, 25 dB	21, 25 dB	Input Power: +1, -3 dBm
Noise Figure	Typ. 6.0 dB, Max. 6.5 dB	Typ. 6.5 dB, Max. 7.0 dB	Typ. 6.5 dB, Max. 7.5 dB	
Gain Flatness (peak to peak)	Typ. 1.0 dB, Max. 2.0 dB	Typ. 1.5 dB, Max. 2.0 dB	Typ. 1.5 dB, Max. 2.0 dB	
Input & Output Isolation	Min. 30 dB	Min. 30 dB	Min. 30 dB	
Polarization Dependent Gain	Typ. 0.3 dB, Max. 0.5 dB	Typ. 0.3 dB, Max. 0.5 dB	Typ. 0.3 dB, Max. 0.5 dB	
Control Mode	ACC, APC, AGC (optional)	ACC, APC, AGC (optional)	ACC, APC, AGC (optional)	

* Other output power models available upon request
Option: Gain Flattening Filtering

General Parameters

	Value
Operation Temperature	0 to 40 °C
Storage Temperature	-10 to 70 °C
Power Supply	90 – 240 VAC, 47 – 63 Hz
Benchtop Dimensions	260(W) x 330(D) x 120(H) mm
1U Rackmount Dimensions	485(W) x 360(D) x 45(H) mm
Mechanical Safety Control	Key-lock switch, BNC interlock key
Optical Power Monitoring	Output power, Input power (optional)
Remote Control Port	DB-9 female (RS232), Control software included, RJ-45 (TCP/IP Ethernet) (optional)
Protection	Pump laser (TEC) overheat
Optical Connector	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	SMF-28

Ordering Information

Product Code	AEDFA-L-DWDM-aa-b-cc AEDFA-L-EX1-DWDM-aa-b-cc AEDFA-L-EX2-DWDM-aa-b-cc	aa: Saturated output power in dBm b : B for Benchtop, R for 19 inch Rackmount cc: FA for FC/APC, FC for FC/UPC, SA for SC/APC, SC for SC/UPC
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Amonics undertakes continuous and intensive product development to ensure its product performance at the highest technical standards. As a result, the specifications in this document are subject to change without notice.

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