

Key Features

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

1U Rackmount Casing



Benchtop Casing

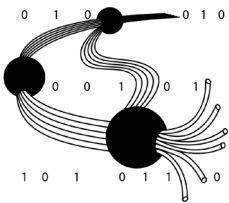


1550nm - CW

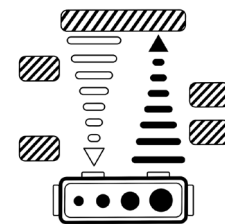
Description

Amonics offers C+L band EDFAs which are commonly used in a wide range of applications including free space communications, coherent beam combining and detection systems. The compact turnkey benchtop or 19" rackmount unit incorporates a user-friendly front panel housing with a LCD monitor display, key switch, power adjust control knob and optical connectors. Computer interface through RS232 or Ethernet is possible.

Application



- SONET/SDH Systems
- Optical Communications
- CATV



- Fiber Optic Sensing



- Laboratory



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-CL-17	AEDFA-CL-20	AEDFA-CL-23
Saturation Output Power (at 0dBm input signal)	Min. +17 dBm	Min. +20 dBm	Min. +23 dBm
Input Signal Level	-6 to +3 dBm	-6 to +3 dBm	-6 to +3 dBm
Small Signal Gain (at -6dBm input signal)	Min. 23 dB	Min. 26 dB	Min. 29 dB
Operating Wavelength	1528 nm to 1563 nm; 1570 nm to 1603 nm	1528 nm to 1563 nm; 1570 nm to 1603 nm	1528 nm to 1563 nm; 1570 nm to 1603 nm
Noise Figure (at 0dBm input signal)	Typ. 5.5 dB , Max. 6.5 dB	Typ. 5.5 dB , Max. 6.5 dB	Typ. 5.5 dB , Max. 6.5 dB
Input / Output Isolation	Min. 30 dB	Min. 30 dB	Min. 30 dB
Control Mode	ACC, APC	ACC, APC	ACC, APC

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

General Parameters

	Value	Remarks
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	Other standard rackmount sizes are also available
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-CL-aa-b-cc	aa : Saturation output power in dBm b : B for Benchtop, R for 19" 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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