

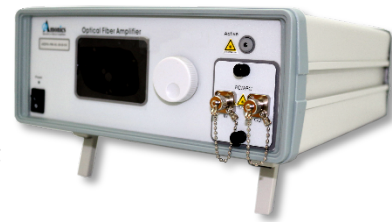
Key Features

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

1U Rackmount Casing



Benchtop Casing

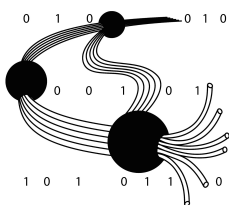


1550nm - CW

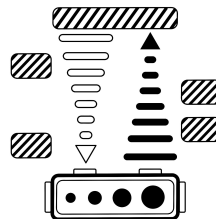
Description

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 |
| Operation 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: 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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