



monics

AMONICS LTD.



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Certificate No.: CC 5346

C+L Band EDFA

Applications

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



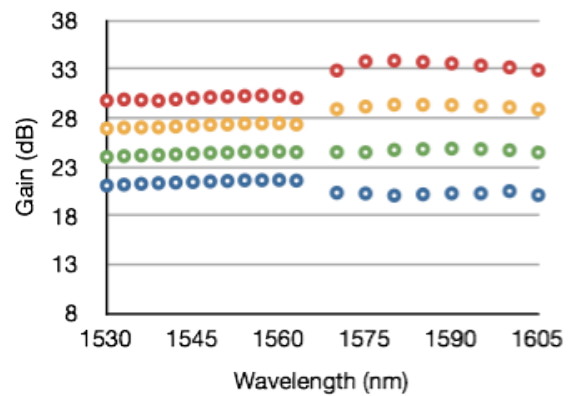
Description

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.

Key Features

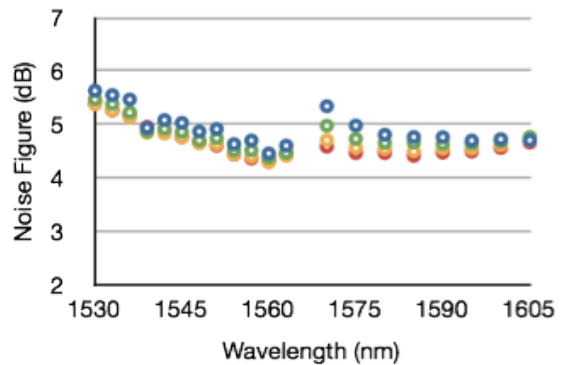
- Turnkey device
- RS232/Ethernet interface
- High output power
- High gain
- Low noise figure
- Highly reliable and durable

AEDFA-CL-23-B-FA Gain



● +3 dBm ● 0 dBm ● -3 dBm ● -6 dBm

AEDFA-CL-23-B-FA Noise Figure



● +3 dBm ● 0 dBm ● -3 dBm ● -6 dBm

Specifications

	AEDFA-CL-17	AEDFA-CL-20	AEDFA-CL-23
Saturation Output Power (at 0dBm input signal)	> +17dBm	> +20dBm	> +23dBm
Input Signal Level	-6 to +3dBm	-6 to +3dBm	-6 to +3dBm
Small Signal Gain @ -6dBm Input Signal	> 19dB	> 24dB	> 29dB
Operation Wavelength	1528nm to 1562nm + 1570nm to 1603nm	1528nm to 1562nm + 1570nm to 1603nm	1528nm to 1562nm + 1570nm to 1603nm
Noise Figure (typ.) (at 0dBm input signal)	< 6dB	< 6dB	< 6.5dB
Input / Output Isolation	> 30dB		
Control Mode	ACC, APC		

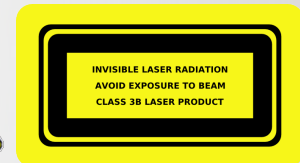
* Other output power models are available upon request

General Parameters

Parameters	Unit	Specifications
Operation Temperature	°C	0 to +40
Storage Temperature	°C	-10 to +70
Power Supply	VAC	90 – 240, 47 – 63Hz
Dimensions	mm	Benchtop: 260(W) x 330(D) x 120(H) 1U Rackmount: 485(W) x 360(D) x 45(H) 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), LabView 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

Other Option

- Gain flattening filtering


Ordering Information

Product Code	AEDFA-CL-aa-b-cc	aa: Saturated 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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