

Applications

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

Key Features

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

Description

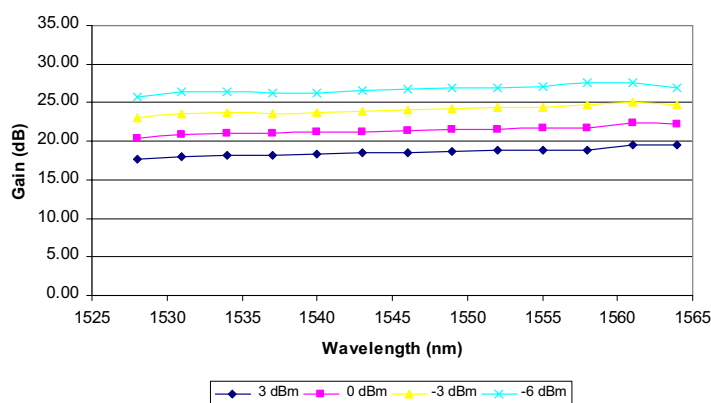


Amonics offers polarization maintaining and C+L band EDFAs for various applications. Including free space communications, coherent beam combining, and detection system.

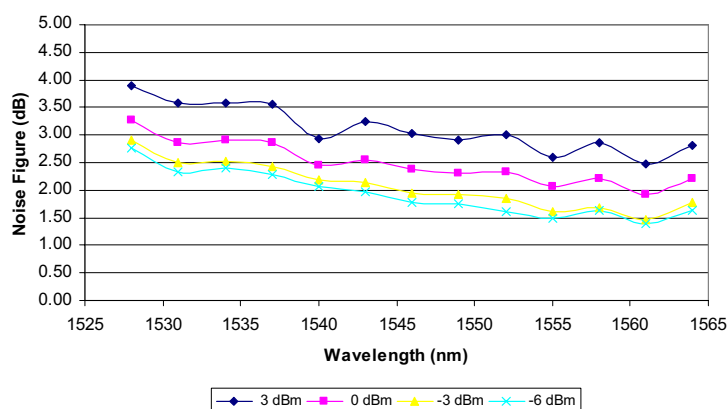
The compact turnkey benchtop or 19" rackmount instrument incorporates a user-friendly front panel housing with a LCD monitor display, key switch, power adjust control knob and optical connectors. A RS232 computer interface is also equipped on the rear panel.



Amonics AEDFA-PM-23-B-SA Gain Curve



Amonics AEDFA-PM-23-B-SA Noise Figure Curve



Polarization Maintaining & C+L Band EDFA Specifications

	AEDFA-PM-23	AEDFA-CL-18
Saturation Output Power (at 0dBm input signal)	>+23 dBm	>+18 dBm
Input Signal Level	-6 to +3 dBm	-6 to +3 dBm
Small Signal Gain @ -30dBm Input Signal	>33 dB	>28dB
Operating Wavelength	1530nm to 1563nm	1528nm to 1562nm + 1570nm to 1603nm
Noise Figure (typ.) (at 0 dBm input signal)	<4.5 dB	<6 dB
Input / Output Isolation	>30dB	
Control Mode	ACC	

*Other output power models are available upon request

General Enviromantal Parameters

Parameter	Unit	Specification
Operation Temperature Range	°C	0 to +40
Storage Temperature Range	°C	-10 to +70
Power Supply	VAC	80 - 240, 43 - 63Hz
Dimensions	mm	350(W) x 300(L) x 100(H)
Control	-	Keylock switch, optical output power
LCD Display	-	Output power, Pump laser temperature
Computer Interface	-	RS232 (Labview control software & connection cable inculded)
Protection	-	Pump laser over heat warning
Optical Connector	-	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	-	SMF-28

Option:

- Gain Flattening Filtering
- Input Power Monitoring
- Benchtop or 19" Rackmount Housing



Ordering Information

Product Code	AEDFA-aa-bb-c-dd	aa: PM for PM EDFA, CL for C+L Band EDFA bb: Saturated Output Power in dBm c: B for Benchtop case, R for 19" Rackmount case dd: FA for FC/APC, FC for FC/UPC SA for SC/APC, SC for SC/UPC
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