

Applications

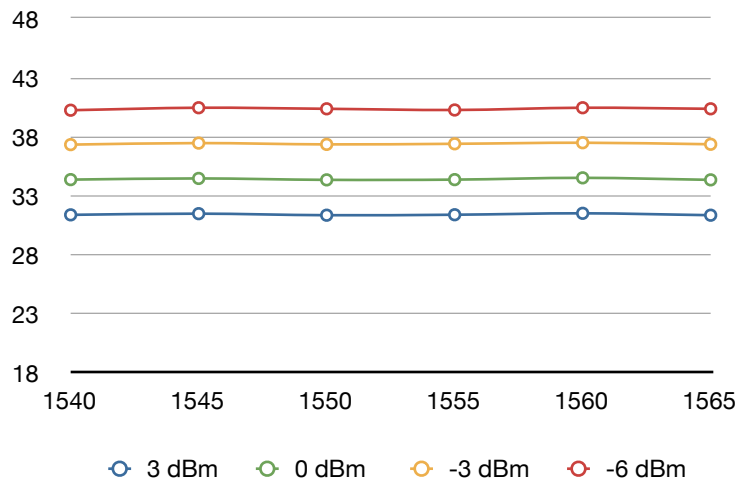
- SONET/SDH Systems
- Optical Communications
- Fiber Optic Sensing
- CATV
- Laboratory



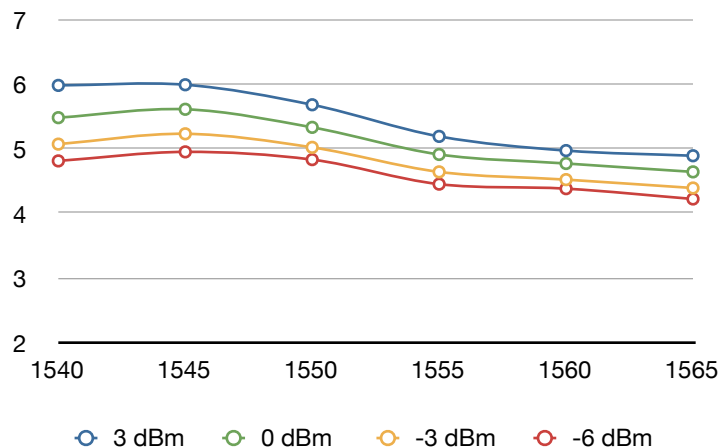
Description

Amonics' High Power EDFA series offer from 0.5W to 20W saturated output power. It is a standalone turnkey benchtop instrument . Its front panel includes a LCD monitor display. key switch. Power adjust control knob, and fiber input and output adaptors. A RS232 computer interface is also provided on the rear panel. This EDFA can be employed for research and development in the fields of telecommunications, fiber optic sensing , and CATV applications.

AEDFA-33-B-FA Gain Curve



AEDFA-33-B-FA Noise Figure



Key Features

- Turnkey device
- RS232 computer interface
- High output power, up to 20W
- High gain
- Low noise figure
- Two year warranty

High Power EDFA Specifications

	AEDFA-HP			AEDFA-PM-HP		
Saturation Output Power (at 0dBm input signal)	> +27 dBm	> +30 dBm	> +33 dBm	> +27 dBm	> +30 dBm	> +33 dBm
Input Signal Level	-6 to +3dBm			-6 to +3dBm		
Noise Figure (typ.) (at 0dBm input signal)	6.0dB			4.5dB		
Operating Wavelength	1540nm – 1565nm			1540nm – 1565nm		
Input / Output Isolation	> 30dB					
Polarization Dependent Gain	< 0.3dB			-		
Polarization Extinction Ratio	-			20dB		
Control Mode	ACC, (Option : APC)					

* Other output power models are available upon request

General Environmental Parameters

Parameter	Unit	Specification
Operation Temperature Range	°C	0 to +40
Storage Temperature Range	°C	-10 to +70
Power Supply	VAC	90 – 240, 47 – 63Hz
Dimensions	mm	260(W) x 330(L) x 120(H)
Control	-	Keylock switch, optical output power
LCD	-	Output power, Pump laser current
Computer interface	-	RS232 (Labview control software & connection cable included) / Ethernet (Option)
Protection	-	Safety Interlock
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-xx-y-zz (non PM) AEDFA-PM-xx-y-zz (PM)	xx : Saturation Output Power in dBm y : B for Benchtop case, R for 19" Rackmount case zz : FA for FC/APC, FC for FC/UPC SA for SC/APC, SC for SC/UPC
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Amonics undertakes a continuous and intensive product development to ensure its products perform to highest technical standards. As a result, the specifications in this document are subject to change without notice.

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