

## Key Features

- High polarization extinction ratio
- Turnkey device
- High output power
- High gain
- Low noise figure
- Long operating life time

1U Rackmount Casing



Benchtop Casing

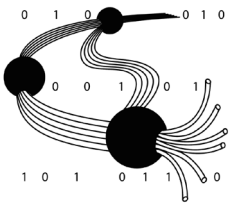


1550nm - CW

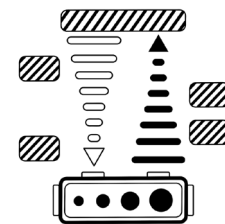
## Description

Amonics' polarization maintaining EDFAs are featured with high gain, low noise, and high polarization extinction ratio. The signal polarization is highly maintained after the amplification in the EDFA. The EDFAs are useful in the applications of fiber optic sensing, high capacity optical communications, and scientific experiments in nonlinear fiber optic.

## 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-PM-13	AEDFA-PM-18	AEDFA-PM-23
Saturation Output Power (at 0dBm input signal)	Min. +18 dBm	Min. +20 dBm	Min. +23 dBm
Input Signal Level	-6 to +3 dBm	-6 to +3 dBm	-6 to +3 dBm
Operation Wavelength	1530 nm to 1565 nm	1530 nm to 1565 nm	1530 nm to 1565 nm
Noise Figure (at 0dBm input signal)	Max. 5.5 dB	Max. 5.5 dB	Max. 5.5 dB
Input / Output Isolation	Min. 30 dB	Min. 30 dB	Min. 30 dB
Polarization Extinction Ratio	Typ. 23 dB, Min. 20 dB	Typ. 23 dB, Min. 20 dB	Typ. 23 dB, Min. 20 dB
Control Mode	ACC, APC (Option)	ACC, APC (Option)	ACC, APC (Option)

\* Other output power models available upon request  
Option: Input Power Monitoring

## 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
Control	Key-lock switch, optical output power	
LCD Display	Output power, Pump laser current	
Computer Interface	RS232 (Control software & connection cable included) / Ethernet (Option)	
Protection	Pump laser overheat warning	
Optical Connector	FC/APC, FC/UPC, SC/APC, SC/UPC	
Optical Fiber	PM 1550nm Panda Fiber	

## Ordering Information

Product Code	AEDFA-PM-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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