

## Key Features

- Compact
- Plug and play
- RS232 interface
- High output power, up to 34dBm
- High gain
- Low noise figure
- Highly reliable and durable



**100mm x 100mm  
Compact Module Casing**

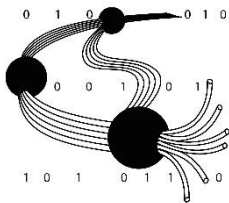
1550nm - CW

## Description

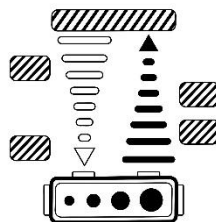
Amonics' High Power PM EDFA compact module series offer saturated output power from 27dBm to 34dBm. It operates on a single DC power supply, is an ideal building block for OEM system integration as it comes with the essential EDFA functions to serve various purposes and the interfaces ready for system integration.

Photodetection of input and output signal is included. Low of input protection is also included. Different control modes including ACC and APC are available to meet different requirements.

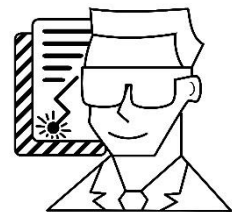
## Application



- 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-30-M	AEDFA-PM-33-M	AEDFA-PM-34-M
Saturation Output Power* (at 0 dBm input signal)	Min. +30 dBm	Min. +33 dBm	Min. +34 dBm
Input Signal Level	-6 to +10 dBm	-6 to +10 dBm	-6 to +10 dBm
Noise Figure (at 0 dBm input signal)	Typ. 5.5 dB, Max. 6.0 dB	Typ. 5.5 dB, Max. 6.0 dB	Typ. 5.5 dB, Max. 6.0 dB
Operating Wavelength	1540 nm to 1565 nm	1540 nm to 1565 nm	1540 nm to 1565 nm
Input/Output Isolation	Min. 30 dB	Min. 30 dB	Min. 30 dB
Polarization Extinction Ratio**	Min. 20 dB, Typ. 23 dB	Min. 20 dB, Typ. 23 dB	Min. 20 dB, Typ. 23 dB
Control Mode	ACC, APC (optional)	ACC, APC (optional)	ACC, APC (optional)
Power Consumption	Typ. 19W, Max. 25W	Typ. 31W, Max. 38W	Typ. 34W, Max. 40W

\* Other output power models available upon request

\*\* Slow axis working only  
Option: Narrow bandpass ASE filtering

## General Parameters

	Value
Operation Temperature	-15 to 65 °C
Storage Temperature	-20 to 70 °C
Power Supply	12 ± 0.25 VDC
Dimensions	100(W) x 100(D) x 20(H) mm
Electrical Connector	Molex 8 pin header (2mm pitch 1 row)
Control	EDFA On/Off, Pump laser current
Optical Power Monitoring	Input power, Output power
Remote Control Port	DB-9 female (RS232), Control software included
Protection	Pump laser (TEC) overheat, , Loss of Input Signal
Optical Connector	FC/APC, FC/UPC, Bare fiber or Collimator
Optical Fiber	PM 1550 Panda

## Ordering Information

Product Code	AEDFA-PM-aa-M-bb	aa : Saturation output power in dBm bb : FA for FC/APC, FC for FC/UPC, NC for bare fiber, CL for collimator
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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.

### Amonics Limited (Hong Kong)

14/F, Lee King Industrial Building, 12 Ng Fong Street,  
San Po Kong, Kowloon, Hong Kong  
Tel :+852 2428 9723 Fax :+852 2428 9704

### Beijing Amonics Co. Ltd. (Beijing)

Room 902, Unit 1 Joy Mansion, NO.99 Chaoyang North Road, Beijing China 100123  
Tel :+86 10 8478 3386 Fax :+86 10 8478 3396  
Email: [contact@amonics.com](mailto:contact@amonics.com) Website: [www.amonics.com](http://www.amonics.com)

