



ISO 9001 : 2015  
Certificate No.: CC 5346

## Applications

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

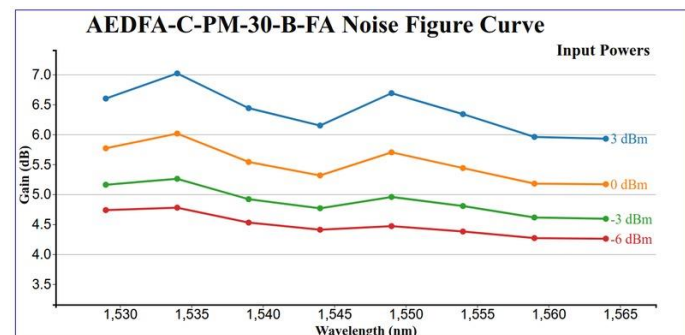
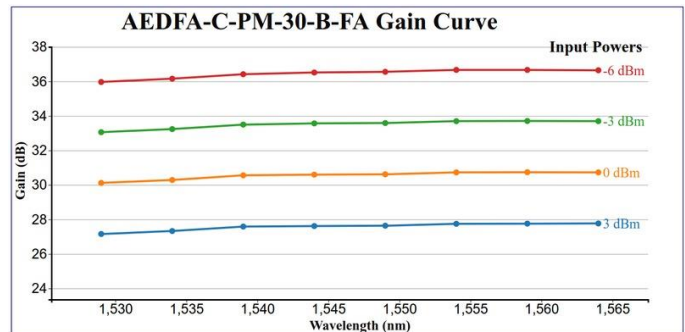


## Description

Amonics offers polarization maintaining EDFAs for various applications. Including free space communications, coherent beam combining, and detection system. The output light is linearly polarized with high polarization extinction ratio. 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 or Ethernet computer interface is also equipped..

## Key Features

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



**Specifications**

	AEDFA-PM-27	AEDFA-PM-30	AEDFA-PM-33
Saturation Output Power (at 0dBm input signal)	> +27dBm	> +30dBm	> +33dBm
Input Signal Level	-6 to +3dBm	-6 to +3dBm	-6 to +3dBm
Operation Wavelength	1529nm to 1565nm	1529nm to 1565nm	1529nm to 1565nm
Noise Figure (at 0dBm input signal)	< 5.5dB	< 5.5dB	< 5.5dB
Input / Output Isolation	> 30dB		
Control Mode	ACC, (Option : APC)		

Options

Input Power Monitoring    Benchtop or 19 inches Rackmount Housing

**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(L) x 120(H)
Control	-	Keylock switch, optical output power
LCD Display	-	Output power, Pump laser current
Computer Interface	-	RS232 (Labview control software & connection cable included) / Ethernet (Option)
Protection	-	Pump laser over heat warning
Optical Connector	-	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	-	1550nm PM Panda Fiber



**Class 4 for AEDFA-PM-30, 33**  
**Class 3B for AEDFA-PM-18, 20, 23**

**Ordering Information**

Product Code	AEDFA-PM-bb-c-dd	bb : Saturated output power in dBm c : B for Benchtop, R for 19" Rackmount dd : 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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