

### Applications

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



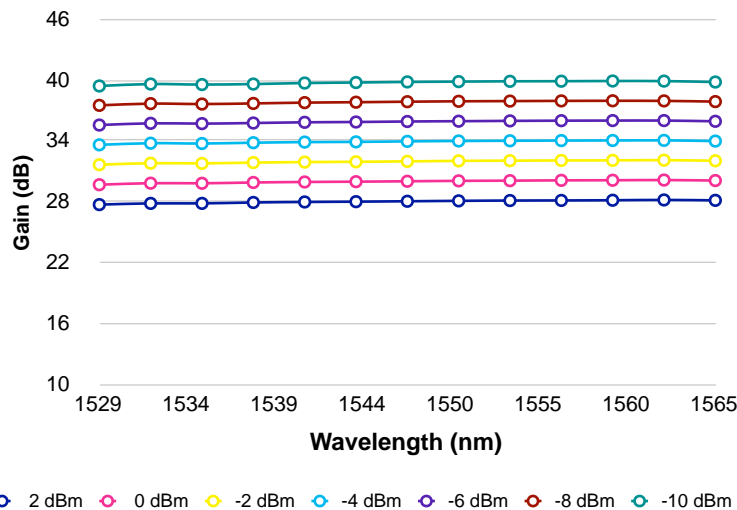
### Description

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.

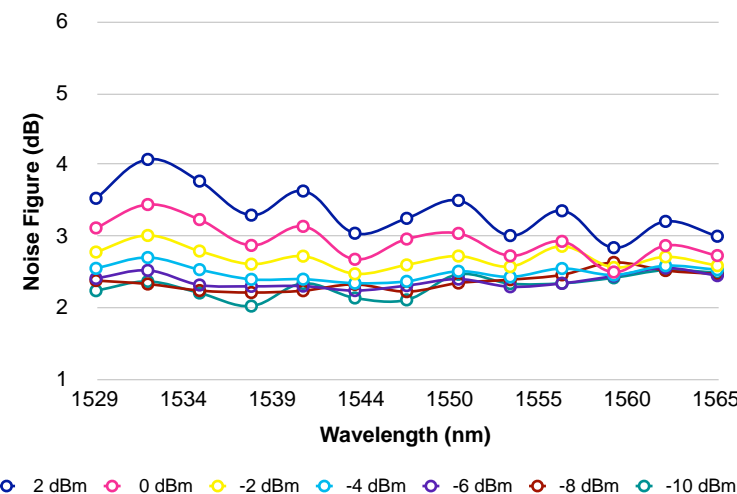
### Key Features

- Full C-Band
- High polarization extinction ratio
- Turnkey device
- High output power, up to 1W
- High gain
- Low noise figure, under 3.5dB
- Long operating life of 10+ years

AEDFA-C-PM-30-B-FA Gain



AEDFA-C-PM-30-B-FA Noise Figure



**Full C-Band Polarization Maintaining EDFA Specifications**

	AEDFA-C-PM-18	AEDFA-C-PM-20	AEDFA-C-PM-23	AEDFA-C-PM-27	AEDFA-C-PM-30
Saturation Output Power (at 0dBm input signal)	> +18dBm	> +20dBm	> +23dBm	> +27dBm	> +30dBm
Input Signal Level	-6 to +3dBm				
Operation Wavelength	1529nm to 1564nm				
Polarization Extinction Ratio	20dB				
Noise Figure (at 0dBm input signal)	< 4dB				
Input / Output Isolation	> 30dB				
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 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	-	SMF-28

**Option:**

- Input Power Monitoring
- Benchtop or 19" Rackmount Housing



**Ordering Information**

Product Code	AEDFA-C-PM-bb-c-dd	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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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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