

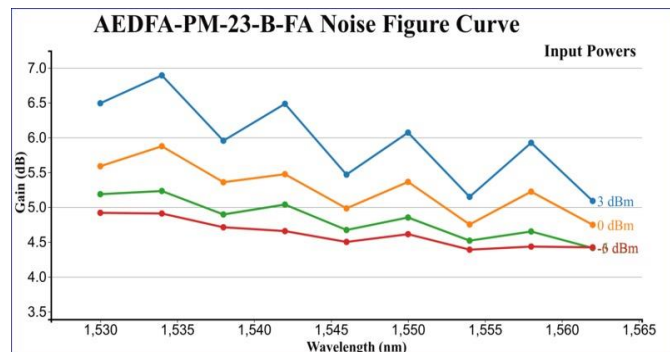
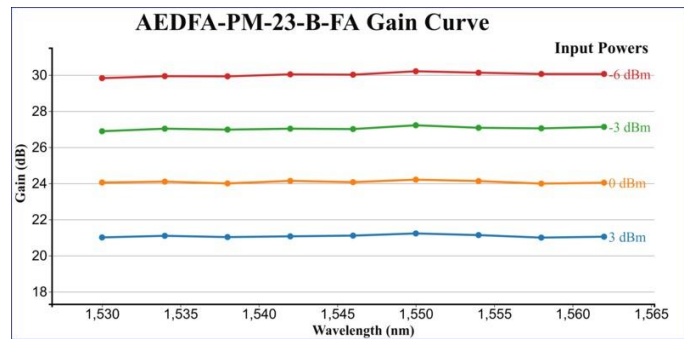
Applications

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



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.



Key Features

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

Specifications

| | AEDFA-PM-18 | AEDFA-PM-20 | AEDFA-PM-23 |
|--|---------------------|------------------|------------------|
| Saturation Output Power (at 0dBm input signal) | > +18dBm | > +20dBm | > +23dBm |
| Input Signal Level | -6 to +3dBm | -6 to +3dBm | -6 to +3dBm |
| Operation Wavelength | 1530nm to 1565nm | 1530nm to 1565nm | 1530nm to 1565nm |
| Noise Figure (at 0dBm input signal) | < 5.5dB | < 5.5dB | < 5.5dB |
| Input / Output Isolation | > 30dB | | |
| Control Mode | ACC, (Option : APC) | | |

Other output power models are available upon request.

General Parameters

| Parameters | Unit | Specifications |
|-----------------------|------|--|
| Operation Temperature | °C | 0 to +40 |
| Storage Temperature | °C | -10 to +70 |
| Power Supply | VAC | 80 – 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 |
|--------------|------------------|--|

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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