AMONICS LTD.

ISO 9001 : 2015
Certificate No.: CC 5346

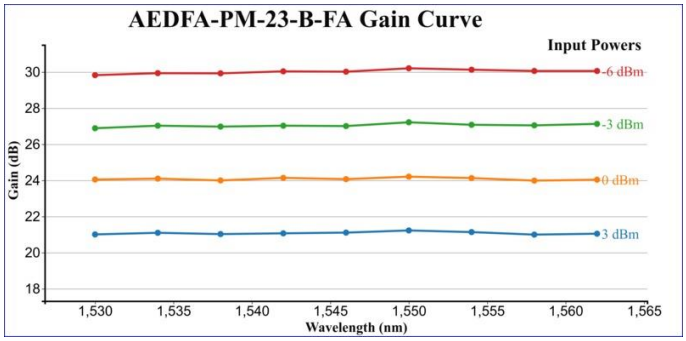
Standard Polarization Maintaining EDFA

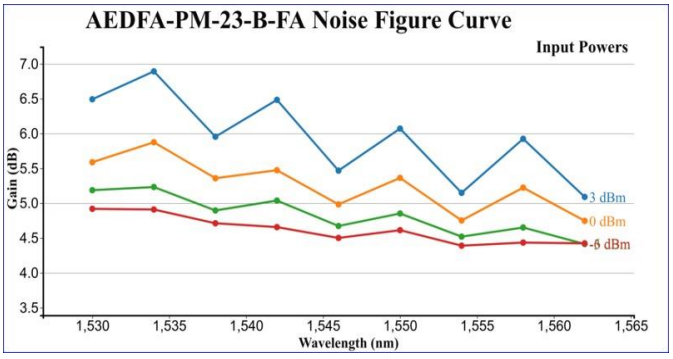
Applications

- 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

Amonics

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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

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