

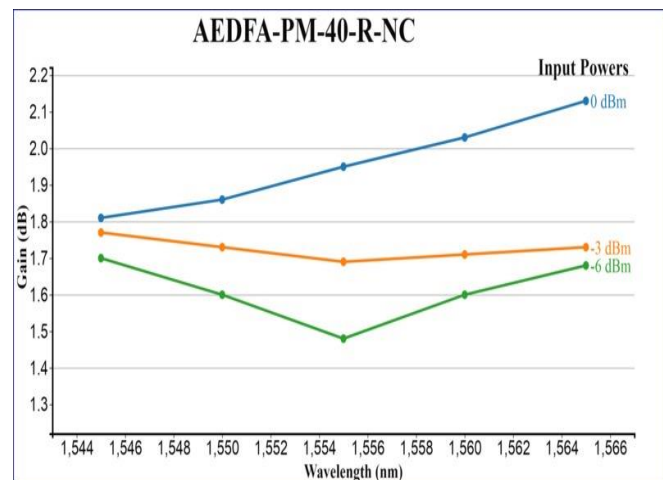
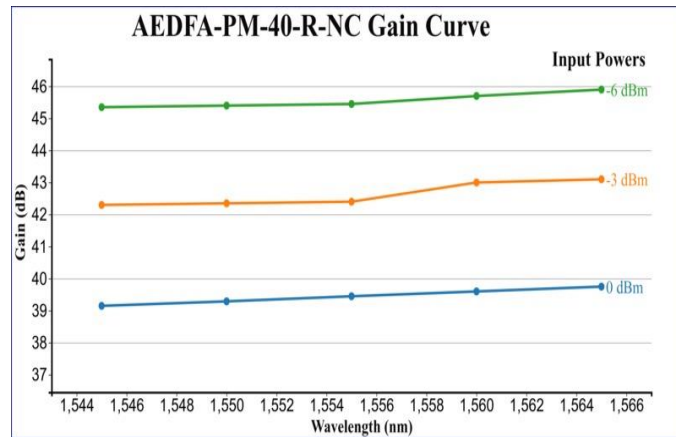
Applications

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



Description

Amonics' high power polarization maintaining EDFA can amplify polarized signal to very high power level. Our high power polarization maintaining EDFA can amplify optical signal up to 10 Watt optical power. The applications of our high power polarization maintaining EDFAs include fiber optic sensing, free space optical sensing, and experiments in nonlinear fiber optic.



Key Features

- High polarization extinction ratio
- Turnkey device
- High output power, up to 10W
- High gain
- Low noise figure, under 3.5dB
- Long operating life

Specifications

	AEDFA-PM-30	AEDFA-PM-33	AEDFA-PM-36	AEDFA-PM-37	AEDFA-PM-40
Saturation Output Power (at 0dBm input signal)	> +30dBm	> +33dBm	> +36dBm	> +37dBm	> +40dBm
Input Signal Level	-6 to +3dBm	-6 to +3dBm	-6 to +3dBm	-6 to +3dBm	-6 to +3dBm
Operation Wavelength	1535nm to 1563nm	1540nm to 1563nm	1540m to 1565nm	1540m to 1565nm	1545m to 1565nm
Noise Figure (at 0dBm input signal)	< 4.5dB	< 5dB	< 7.0dB	< 7.0dB	< 7.5dB
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	80 – 240, 47 – 63Hz
Dimensions	mm	[Benchtop 260(W) x 330(L) x 120(H)]: AEDFA-PM-30, AEDFA-PM-33, AEDFA-PM-36; [2U Rackmount 485(W) x 515(D) x 90(H)]: AEDFA-PM-37 ; [3U Rackmount 485(W) x 615(D) x 150(H)]: AEDFA-PM-40
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, No output connectors for 5W & 10W
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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