

# SHAPING LIGHT.

HELPING ENGINEERS AND SCIENTISTS IN  
ADVANCING HOW THE WORLD COMMUNICATES,  
SENSES AND CONNECTS



## POLARIZATION MAINTAINING AMPLIFIER – PM-EDFA DATA SHEET



## PM PASSIVES

## PM-EDFA

Polarization Maintaining Erbium Doped Fiber Amplifier (EDFA) are multi-purpose instruments supporting a wide variety of applications including transmitter power enhancements, free space communications and coherent beam combining. The output light is linearly polarized with high Polarization extinction ratio.

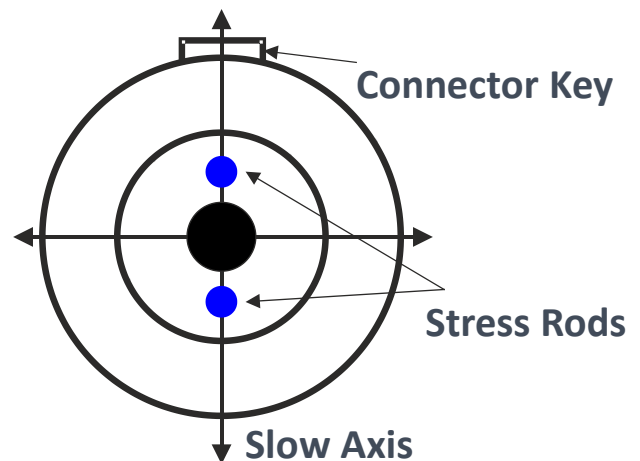
The compact turnkey benchtop or 19" rackmount instrument incorporates a user-friendly front panel housing with a LCD Monitor display, key switch, power adjust control knob and optical connectors. A RS232 or Ethernet interface is available allowing to control the unit remotely.

## FEATURES

- 19" rack mountable design or
- Benchtop housing
- DWDM gain flattened or Single Channel support
- Current or Output Power Control Mode
- Remote Control

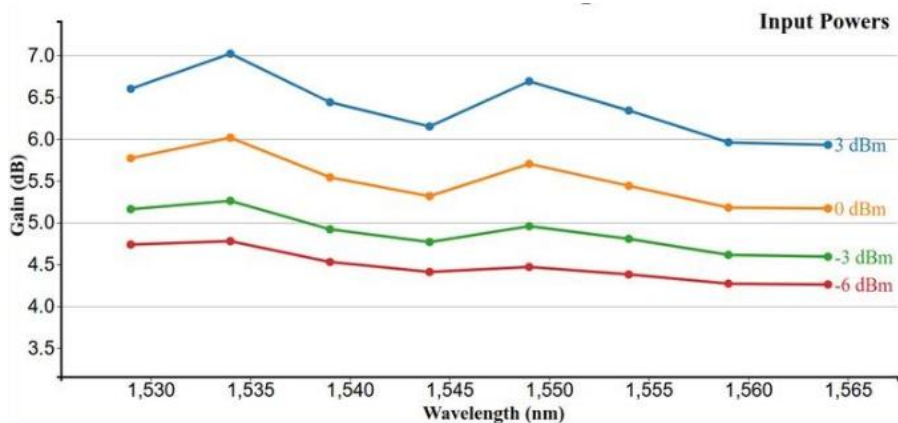
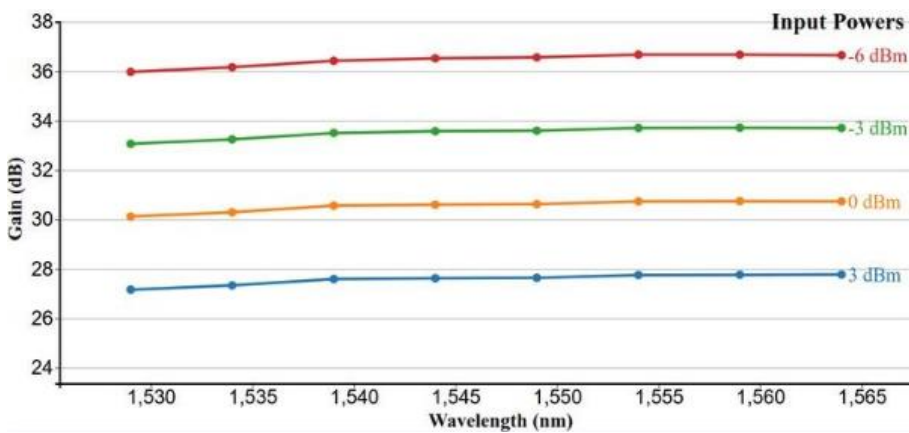
## APPLICATIONS

- Generation of channel grids for DWDM transport testing
- Amplification of polarized light sources
- General purpose amplification for polarized signals

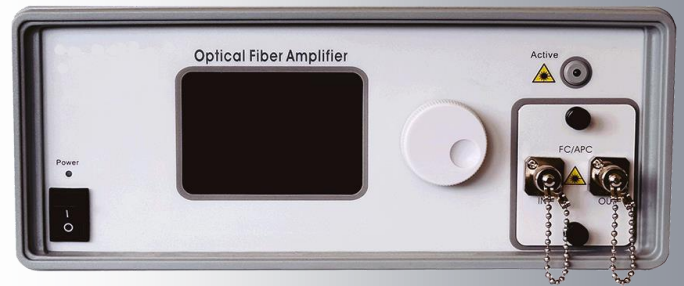


# SPECIFICATION

PARAMETER	SPECIFICATION	UNIT
Saturation Output Power (at 0dBm input signal)	13, 18, 20, 23, 27, 30 (see options)	dBm
Input Power	- 6 to +3	dBm
Operation Wavelength	1529 to 1565	nm
Noise Figure (at 0dBm input signal)	<5.5	dB
Input / Output Isolation	>30	dB
Control Mode	ACC, (Option : APC)	-
Dimensions	Benchtop 260(W) x 330(L) x 120(H) 19" Rackount : 1HE	mm
Computer Interface	RS232 (LabView Control software & connection cable included) / Ethernet (Option)	



# POLARIZATION MAINTAINING AMPLIFIER



## PRODUCT

PMEDFA -



### TYPE

SC: Single Channel  
MC: Multi-Channel



### CONTROL TYPE

PC: Power Controlled (includes CC option)  
CC: Current Controlled



### OUTPUT POWER

xx: Maximum total output power in [dBm]



### HOUSING

B: Bench Top  
R: Rack mount



### CONNECTOR TYPE

FA: FC/APC  
FP: FC/PC



### REQUEST A QUOTATION

Get in touch with us via [info@id-photonics.com](mailto:info@id-photonics.com) or send a request via our [web form](#).



SCAN ME

# SHAPING LIGHT.

HELPING ENGINEERS AND SCIENTISTS IN  
ADVANCING HOW THE WORLD COMMUNICATES,  
SENSES AND CONNECTS

Copyright © 2025 ID Photonics GmbH. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form, be it electronically, mechanically, or by any other means such as photocopying, recording or otherwise, without the prior written permission of ID Photonics GmbH.

Information provided by ID Photonics GmbH is believed to be accurate and reliable. However, no responsibility is assumed by ID Photonics GmbH for its use nor for any infringements of patents or other rights of third parties that may result from its use. No license is granted by implication or otherwise under any patent rights of ID Photonics GmbH.

The information contained in this publication is subject to change without notice.

## ID PHOTONICS GMBH

Anton-Bruckner-Straße 6  
85579 Neubiberg  
GERMANY

Tel: +49-89-201 899 16  
info@id-photonics.com