

EDFA Optribution Amplifier Modules



The final product may vary from the above image depending on the options selected.

Products:

DEV 7415 EDFA Optribution Pre-Amplifier Module;
1529...1565 nm; SC/APC

DEV 7425 EDFA Optribution Boost-Amplifier Module;
1529...1565 nm; SC/APC

Features:

- EDFA Amplifier Modules for the Integration in a DEV 7113 Chassis
- High Gain and low Noise Figure EDFA Amplifiers
- Automatic Output Power Control (APC) Operation Mode
- Monitoring of Input and Output Optical Power Level
- Front Panel Status and Alarm LEDs

Technical Data DEV 7415 & DEV 7425

	Value	Condition
Common Optical Specifications		
Number of Optical Inputs	1	
Number of Optical Outputs	1	
Optical Connector	SC/APC, E2000/HRL, or FC/APC	Standard is SC/APC
Laser Class (according to IEC 60 825-1)	Class 1M (low Risk to Eyes, no Risk to Skin)	
Fiber Type	Single Mode 9/125 μ m	
Wavelength	1529...1565 nm	
Common General Specifications		
Size	8 HP (40 mm) Width, 3 RU (133 mm) Height, 100 mm Depth	
Weight	~0.35 kg	
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E	

DEV 7415 EDFA Optribution Pre-Amplifier Module; 1529...1565 nm; SC/APC

	Value	Condition
Optical Specifications		
Operation Mode	Automatic Output Power Control (APC)	
Input Power Range	-25...-5 dBm	
Max. Gain	25 dB, typ. 27 dB (averaged)	
Adjustable Output Power	0...10 dBm, Step Size 1 dB	
Saturated Output Power	+10 dBm, Input Power \geq -15 dBm	
Return Loss	>35 dB	
Noise Figure	<5.5 dB, typ. 4.7 dB	

DEV 7425 EDFA Optribution Boost-Amplifier Module; 1529...1565 nm; SC/APC

	Value	Condition
Optical Specifications		
Operation Mode	Automatic Output Power Control (APC)	
Input Power Range	-3...+10 dBm	
Max. Gain	23 dB	
Adjustable Output Power	0...20 dBm, Step Size 1 dB	
Saturated Output Power	+20 dBm	
Return Loss	>45 dB	
Noise Figure	<5.5 dB, typ. 5 dB	

Order Information

Products

DEV 7415 EDFA Optribution Pre-Amplifier Module; 1529...1565 nm; SC/APC
DEV 7425 EDFA Optribution Boost-Amplifier Module; 1529...1565 nm; SC/APC

Note that the DEV 7113 has to be equipped with Option 34 for the operation of EDFA modules.

Optical Connector Options

Option 07 FC/APC Optical Connector
Option 08 E2000/HRL Optical Connector

Contact

DEV Systemtechnik GmbH
Grüner Weg 4A
61169 Friedberg
GERMANY
Phone: +49 6031 6975 100
Fax: +49 6031 6975 114
info@dev-systemtechnik.com
www.dev-systemtechnik.com

Rev. 07-Nov-2018

Technical specifications are subject to change