

EDFA Optribution Amplifier Chassis



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

Products

DEV 7161/Boost EDFA Boost Amplifier; 1529...1565 nm; SC/APC

DEV 7161/Pre EDFA Pre Amplifier; 1529...1565 nm; SC/APC

Features

- 1 RU Chassis with EDFA Boost Amplifier or with EDFA Pre Amplifier
- High Gain and low Noise Figure EDFA Amplifiers
- Automatic Output Power Control (APC) Operation Mode
- Monitoring of Input and Output Optical Power Level
- Monitoring of Input and Output Optical Power Level
- Front Panel Status and Alarm LEDs
- SNMP Support
- DEV Web Interface
- Data Backup Feature
- Power Supply Redundancy

Technical Data DEV 7161/Boost, DEV 7161/Pre

	Value	Condition
Common Optical Specifications		
Optical Connectors	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	
Output Level Accuracy	± 1 dB	
Remote Communication		
Interface (Connector)	Ethernet (RJ-45)	
Remote Control & Surveillance	via Web Interface and via SNMP	
Redundant Power Supply		
Supply Voltage	100...240 V AC supplied by two different Lines	
Power Consumption	<80 VA	
General Specifications		
Size	19" (483 mm) Width, 1 RU (44 mm) Height, ~340 mm + max. 80 mm (Optical Connectors) Depth	
Weight	~9 kg	
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E	

DEV 7161/Boost EDFA Boost Amplifier; 1529...1565 nm; SC/APC

	Value	Condition
Chassis Optical Specifications		
Number of Optical Inputs	1	
Number of Optical Outputs	1	
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 \pm 2 dBm	
Return Loss	>45 dB	
Noise Figure	<5.5 dB, typ. 5 dB	

DEV 7161/Pre EDFA Pre Amplifier; 1529...1565 nm; SC/APC

	Value	Condition
Chassis Optical Specifications		
Number of Optical Inputs	1	
Number of Optical Outputs	1	
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 \pm 2 dBm	Input Power \geq -15 dBm
Return Loss	>35 dB	
Noise Figure	<5.5 dB, typ. 4.7 dB	

Order Information

Products

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Optical Connector Options

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

Contact

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