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Data Sheet

August 15, 2026

FIBOTEC

Fibotec EDFA-C Erbium-Doped Fiber Amplifier

Fibotec EDFA-C Erbium Doped Fiber Amplifier The Fibotec EDFA-C is a C-band erbium-doped fiber amplifier identified under Fibotec part number 1700503001. OEM Fibotec EDFA product literature for C-band bench amplifiers lists standard telecom C-band coverage with ACC/ALC control and fiber-coupled FC or SC interfaces for laboratory optical gain. C-band optical signal amplification for DWDM component test, loss budget recovery, and laboratory EDFA experiments. Instrument Type: erbium doped fiber amplifier The Fibotec EDFA-C is a C-band erbium-doped fiber amplifier identified under Fibotec part number 1700503001. OEM Fibotec EDFA product literature for C-band bench amplifiers lists standard telecom C-band coverage with ACC/ALC control and fiber-coupled FC or SC interfaces for laboratory optical gain. C-band optical signal amplification for DWDM component test, loss budget recovery, and laboratory EDFA experiments. Instrument Type: erbium doped fiber amplifier Typical Wavelength Class: 1530 nm to 1565 nm



MODEL

**Fibotec
1700503001**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1700503001

LISTING

<https://aumictechlabs.com/products/1700503001-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fibotec EDFA 1700503001 (ERFA-C) is a Erbium-Doped Fiber Amplifier (EDFA) meticulously engineered to amplify optical signals operating within the 1550nm wavelength spectrum. This amplifier is an indispensable component for a wide array of applications, including optical

communication networks, advanced research and development initiatives, and any scenario demanding solid and reliable optical power amplification. Its design ensures optimal signal enhancement, maintaining signal integrity while boosting power levels.

Features & description

From manufacturer datasheet

Polarization Class: non polarization maintaining SMF path

Humidity Class: non condensing laboratory Cooling Class: conduction or forced air as built Notes
Identity from Fibotec 1700503001 EDFA-C inventory title. Exact gain output power and NF limits are
unit-specific on the Fibotec calibration sheet; confirm measured values on the certificate shipped with
the amplifier.

1700503001 Characteristics / Specifications

PARAMETER	VALUE
Model	EDFA-C
Part Number	1700503001
Instrument Type	erbium doped fiber amplifier
Operating Band	C band
Typical Wavelength Class	1530 nm to 1565 nm
Topology	Er doped fiber amplifier
Control Modes Class	ACC and ALC
Fiber Type Class	single mode SMF
Connector Class	FC or SC fiber connectors
Input Isolator Class	typically included
Output Isolator Class	typically included
Remote Interface Class	RS-232 serial class
Line Power Class	AC mains powered benchtop
Operating Temperature Class	0 C to 40 C
Storage Temperature Class	minus 10 C to 60 C
Form Factor	optical amplifier chassis
Manufacturer	Fibotec Fiberoptics
Gain Class	high gain C-band EDFA
Noise Figure Class	low NF EDFA design
Monitor Class	pump and output power monitoring
Safety Interlock Class	optical amp interlock available
Pump Laser	980 nm or 1480 nm class pumps
Polarization Class	non polarization maintaining SMF path
Humidity Class	non condensing laboratory
Cooling Class	conduction or forced air as built

PARAMETER	VALUE
Storage temperature	Class: minus 10 C to 60 C
Operating temperature	Class: 0 C to 40 C
Humidity	Class: non condensing laboratory
Fiber type	Class: single mode SMF

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 10 C to 60 C
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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.