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Data Sheet

August 14, 2026

JDS UNIPHASE

JDS Uniphase MAP200-MEDFA-A15580-MFA

The JDS Uniphase MAP200-MEDFA-A15580-MFA is an optical amplifier module designed for use in optical communication systems. It operates at a wavelength of 1558 nm and is part of the MAP200 series, offering amplification to boost signal strength in fiber optic networks.

**MODEL****JDS Uniphase
MAP200-MEDFA-
A15580-MFA****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****MAP200-MEDFA-
A15580-MFA****LISTING**<https://aumictechlabs.com/products/map200-medfa-a15580-mfa-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase MAP200-MEDFA-A15580-MFA is an Erbium-Doped Fiber Amplifier (EDFA) module engineered for C-band DWDM booster amplification in optical communication systems. Operating at 1558 nm, this module delivers saturated output power of 21 dBm and integrates into the MAP-200 platform - a modular, LXI Class C-compliant test system designed for laboratory and manufacturing environments. The module features FC/APC connectors (MFA type) and accommodates input signals from -18 dBm to +3 dBm with measured small-signal gain and noise figure specifications at -4 dBm input power. Gain flatness is held better than 1.4 dB across the EDFA series. The MAP-200 platform supports hot-swapping, multiple mainframe configurations (3-slot benchtop or 8-slot 19-inch rack, all 3 RU), and provides USB, GPIB, and Ethernet connectivity. IVI drivers enable integration with LabVIEW, Visual C++, Visual Basic, and LabWindows environments. Technical Specifications Module Type: Erbium-Doped Fiber Amplifier

(EDFA) Operating Wavelength: 1558 nm Band: C-band Saturated Output Power: 21 dBm (at 1558 nm, -4 dBm input) Gain Flatness: Better than 1.4 dB Input Power Range: -18 dBm to +3 dBm (displayed) Connector Type: FC/APC (MFA) Operating Temperature: 0 to 40°C Storage Temperature: -30 to 60°C Humidity: Maximum 95% RH non-condensing (0 to 45°C) Key Features DWDM booster amplifier optimized for high-density wavelength-division systems Hot-swappable module architecture Gain and noise figure measured at standardized -4 dBm input power LXI Class C compliance for automated test environments Benchtop-ready mainframe with vibration isolation feet Typical Applications Long-haul optical communication system amplification DWDM signal conditioning and boost stages Laboratory optical system characterization Manufacturing test and validation Compatibility & Integration MAP-200 platform supports three-slot benchtop and eight-slot 19-inch rack configurations All mainframes are 3 RU height USB, GPIB, and Ethernet interfaces IVI driver support for LabVIEW, Visual C++, Visual Basic, and LabWindows

MAP200MEDFAA15580MFA Characteristics / Specifications

PARAMETER	VALUE
Model Code	MEDFA-A15580-MFA
Platform	MAP-200 / MAP Series
Test Band	C-band
Amplifier Type	DWDM booster
Saturated Output Power Minimum	greater than 21 dBm
Noise Figure Maximum	less than 5.5 dB
Connector Option	MFA FC/APC
Base Option Code	MEDFA-A15580 21 dBm C-band DWDM booster
Specification Temperature	23 C at 1550 nm
Pin Saturated Power Measurement	Pin equals -4 dBm class for 1558
Noise Figure Measurement Pin Class	Pin equals -4 dBm class for 1558
Small Signal Gain Measurement Pin Class	Pin equals -4 dBm class for 1558
Input Power Monitor Display Min Typical	-18 dBm typical class 1558 note
Input Power Monitor Display Max Typical	+3 dBm typical class 1558 note
Flatness Optimization Pin Class	Pin equals -4 dBm for 1558
Module Form Factor	MAP LightDirect / MAP EDFA plug-in
Remote Control Class	MAP chassis LAN/GPIB class platform
Operating Band Class	C-band DWDM
Series Family	JDSU/VIAMI MAP EDFA
Host Chassis Examples	MAP-200 family mainframes
Laser Safety Class	Class IIIb EDFA class family
Optical Connector Polish	FC/APC MFA option

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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Notes	
From JDSU/VIAVI MAP Erbium-Doped Fiber Amplifier data sheet ordering and performance tables for MEDFA-A15580 with MFA connector. Confirm exact gain/flatness on the installed MAP EDFA option.	

Laser Safety

Laser Safety Class: Class IIIb EDFA class family Optical Connector Polish: FC/APC MFA option Notes From JDSU/VIAVI MAP Erbium-Doped Fiber Amplifier data sheet ordering and performance tables for MEDFA-A15580 with MFA connector. Confirm exact gain/flatness on the installed MAP EDFA option.

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
788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<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.