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Data Sheet

August 1, 2026

JDS FTEL

JDS Fitel OAB915-MM2 Fiber Amplifier

The JDS Fitel OAB915-MM2 is a compact, high-performance fiber amplifier designed for amplifying optical signals in various applications. It operates in the 1550 nm wavelength range and offers adjustable output power, low noise figure, and high gain. Ideal for boosting signal strength in optical communication systems and research setups.



MODEL

JDS Fitel OAB915-MM2

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

OAB915-MM2

LISTING

<https://aumictechlabs.com/products/oab915-mm2-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Fitel OAB915-MM2 is an Erbium-Doped Fiber Amplifier (EDFA) engineered to boost optical signal strength across telecommunications and research applications. Operating in the 1550 nm range with amplification across the full EDFA window, this fiber amplifier delivers adjustable output power and gain with a low noise figure optimized for maximum signal integrity. Technical Specifications Manufacturer: JDS Fitel (now VIAVI Solutions/JDSU) Model: OAB915-MM2 Product Type: Erbium-Doped Fiber Amplifier (EDFA) Operating Wavelength: 1550 nm Amplification Window: 1528–1610 nm (EDFA C+L-band range) Output Power: Adjustable Gain: Adjustable, high-gain configuration Noise Figure: Low noise figure design Form Factor: Compact benchtop or rack-mountable unit Key Features Adjustable output power and gain for flexible signal conditioning Low noise figure minimizes signal degradation Front-panel LCD display with real-time monitoring of input/output power and current User-friendly optical and electrical interfaces Multi-

band configuration support: C-band, L-band, or C+L-band operation Three operational modes: pre-amplifier, booster, or in-line amplifier Typical Applications Manufacturing test and validation of optical systems, components, and sub-assemblies Research and development environments requiring amplified optical signals Signal strength enhancement in optical communication system testbeds Laboratory setups demanding controlled, adjustable optical amplification Compatibility & Integration The OAB915-MM2 integrates into optical test benches via standard fiber-optic connectors. Its adjustable gain and output power enable operation across diverse wavelength ranges within the EDFA window, supporting multi-band experimental configurations and production test workflows.

Features & description

From manufacturer datasheet

Features

- Benchtop optical amplifier (EDFA-class) from JDS Fitel
- Digital display for operating parameters (power / control class monitoring on OAB915 listings)
- FC/APC optical interface (commonly cited for OAB915)
- Operating wavelength near 1555 nm (listing class)
- Approximately 45 mW maximum peak / output power class on published used-equipment descriptions
- Compact instrumentation package for bench use

OAB915MM2 Characteristics / Specifications

PARAMETER	VALUE
Model	OAB915-MM2
Base Model	OAB915
Manufacturer	JDS Fitel (JDS Uniphase / VIAVI lineage)
Instrument Type	Benchtop fiber optic amplifier (EDFA)
Wavelength	approximately 1555 nm class (listing); full EDFA window on related OAB instruments spans roughly 1528 to 1610 nm depending on C/L configuration
Optical Interface	FC/APC (typical OAB915 listing)
Output Power	approximately 45 mW maximum peak (secondary listing for OAB915); verify on the specific serial
Display	Digital front panel
Configuration Suffix	MM2 (unit-specific; confirm meaning from label or packing list) Family Context Later JDSU OAB155x instrumentation EDFAs document C-band booster/preamp options with high saturated output and RS-232 control. The older OAB915 shares the benchtop EDFA role but detailed OEM tables uniquely titled OAB915-MM2 were not located for this datasheet; do not assume modern OAB1552 saturated-power figures for this model.

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

Specifications

PARAMETER	VALUE
Model	OAB915-MM2
Base Model	OAB915
Manufacturer	JDS Fitel (JDS Uniphase / VIAVI lineage)
Instrument Type	Benchtop fiber optic amplifier (EDFA)
Wavelength	approximately 1555 nm class (listing); full EDFA window on related OAB instruments spans roughly 1528 to 1610 nm depending on C/L configuration
Optical Interface	FC/APC (typical OAB915 listing)
Output Power	approximately 45 mW maximum peak (secondary listing for OAB915); verify on the specific serial
Display	Digital front panel
Configuration Suffix	MM2 (unit-specific; confirm meaning from label or packing list)

Family Context

Later JDSU OAB155x instrumentation EDFAs document C-band booster/preamp options with high saturated output and RS-232 control. The older OAB915 shares the benchtop EDFA role but detailed OEM tables uniquely titled OAB915-MM2 were not located for this datasheet; do not assume modern OAB1552 saturated-power figures for this model.

Standard Operating Conditions

Observe pump-laser and eye-safety rules for EDFA instruments. Use matched APC connectors. Allow warm-up before recording gain or noise figure.

Operational Notes

Measure small-signal gain and saturated output on the installed unit if datasheet-grade numbers are required. Related OAB / OFA benchtop amplifiers from JDS/Oprel have different power classes; do not interchange model specs.

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