

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 7, 2026

JDS UNIPHASE

JDS Uniphase OAB 1552+20FP Erbium-Doped Fiber Amplifier

The JDS Uniphase OAB 1552+20FP is an Erbium-Doped Fiber Amplifier (EDFA) designed to boost optical signal power in fiber optic communication systems. It operates in the 1550 nm wavelength range and provides a gain of 20dB. This EDFA is suitable for long-haul transmission, metro networks, and other applications where signal amplification is needed to overcome fiber loss.



MODEL

JDS Uniphase OAB 1552+20FP

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

OAB 1552+20FP

LISTING

<https://aumictechlabs.com/products/oab-1552-20fp-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase OAB 1552+20FP is a C-band Erbium-Doped Fiber Amplifier (EDFA) booster designed for optical signal amplification across 1528–1563 nm. It delivers 20 dBm minimum saturated output power with 37 dB small signal gain and 5 dB maximum noise figure, making it suitable for long-haul and metro network applications. The amplifier uses a 980 nm pump laser and operates from a single-channel input. Technical Specifications Amplifier Type: Booster Operating Wavelength Range: 1528–1563 nm Small Signal Gain: 37 dB Saturated Output Power (minimum): 20 dBm Noise Figure (maximum): 5 dB Pump Laser Wavelength: 980 nm Power Supply: 100–240 V AC, 50–60 Hz Dimensions: 21.2 × 8.9 × 35.5 cm Weight: Approximately 4

kgKey Features Single-channel input signal configuration Gain flattening option available (selected part numbers) Compact benchtop form factor with optional rack-mount kit RS-232 remote control interface LAN interface (IEEE 802.3 10Base-T) for network management LCD front panel display showing input/output power and operational parameters FDA 21 CFR 1040.10 Class IIIb laser compliance; CE, UL3101-1, and CAN/CSA-C22.2 No. 1010.1 certifiedTypical Applications Long-haul and metro transmission signal boosting Pre-amplifier and inline amplifier emulation SONET/SDH system deployment Manufacturing test environments and component validation Research and development fiber optic systemsCompatibility & Integration The OAB 1552+20FP operates as a single-channel amplifier. Other models in the OAB series support multichannel DWDM applications.

Features & description

From manufacturer datasheet

Features

- Test band: C-band; amplifier type: Booster (OAB1552) • Operating wavelength: 1528 to 1565 nm • Input signal: single channel • Saturated output power (minimum, 1552 class): ≥ 17 dBm ($P_{in} = -4$ dBm at 1550 nm class) • Noise figure (maximum, 1552 class): < 4.5 dB • Small-signal gain (minimum, 1552 class): > 30 dB • PDL: < 0.2 dB max; PMD: < 0.4 ps max (1552 class) • Input/output isolation (typical): 45/32 dB • Optical interface: FC/PC (code FP); related FA = FC/APC • Packaging: half-rack benchtop; optional 19-inch rack kit • Dimensions: $\sim 21.2 \times 8.9 \times 35.5$ cm; weight < 4 kg • Operating temperature: 0 to 50 °C • Remote: RS-232 class on many OAB units • Note: some +20FAx high-power OAB1552 builds advertise $\geq +24$ dBm—verify faceplate power class

OAB155220FP Characteristics / Specifications

PARAMETER	VALUE
Model	OAB1552+20FP
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Benchtop Erbium-Doped Fiber Amplifier
Family	OAB Series
Alias	OAB 1552+20FP; OAB1552 Optical C-band booster 1528–1565 nm; ≥ 17 dBm sat class; FC/PC Operational Notes Prefer JDSU OAB EDFA instrumentation manual. Confirm saturated-power option and connectors on the unit label.
Test band	C-band; amplifier type: Booster (OAB1552)
Operating wavelength	1528 to 1565 nm
Input signal	single channel
Saturated output power (minimum, 1552 class)	≥ 17 dBm (Pin = -4 dBm at 1550 nm class)
Noise figure (maximum, 1552 class)	< 4.5 dB
Small-signal gain (minimum, 1552 class)	> 30 dB
PDL	< 0.2 dB max; PMD: < 0.4 ps max (1552 class)
Input/output isolation (typical)	45/32 dB
Optical interface	FC/PC (code FP); related FA = FC/APC
Packaging	half-rack benchtop; optional 19-inch rack kit
Dimensions	$\sim 21.2 \times 8.9 \times 35.5$ cm; weight < 4 kg
Operating temperature	0 to 50 °C
Remote	RS-232 class on many OAB units
Note	some +20FAx high-power OAB1552 builds advertise $\geq +24$ dBm—verify faceplate power class
Output isolation	(typical): 45/32 dB - Optical interface: FC/PC (code FP); related FA = FC/APC - Packaging: half-rack benchtop; optional 19-inch rack kit - Dimensions: $\sim 21.2 \times 8.9 \times 35.5$ cm; weight < 4 kg - Operating temperature: 0 to 50 °C - Remote: RS-232 class on m

OAB155220FP Specifications

PARAMETER	VALUE
Key Features	- Test band: C-band; amplifier type: Booster (OAB1552)
Technical Specifications	Model: OAB1552+20FP
Optical	C-band booster 1528–1565 nm; ≥17 dBm sat class; FC/PC

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 50 °C - Remote: RS-232 class on many OAB units - Note: some +20FAx high-power OAB1552 builds advertise ≥+24 dBm—verify faceplate power class
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Model	OAB1552+20FP
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Instrument Type	Benchtop Erbium-Doped Fiber Amplifier
Family	OAB Series
Alias	OAB 1552+20FP; OAB1552 Optical C-band booster 1528–1565 nm; ≥17 dBm sat class; FC/PC Operational Notes Prefer JDSU OAB EDFA instrumentation manual. Confirm saturated-power option and connectors on the unit label.

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	OAB1552+20FP
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Benchtop Erbium-Doped Fiber Amplifier
Family	OAB Series
Alias	OAB 1552+20FP; OAB1552

Optical

C-band booster 1528–1565 nm; ≥17 dBm sat class; FC/PC

Operational Notes

Prefer JDSU OAB EDFA instrumentation manual. Confirm saturated-power option and connectors on the unit label.

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.