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Data Sheet

August 14, 2026

JDS UNIPHASE

JDS Uniphase OAB1562+20FA0

The JDS Uniphase OAB1562+20FA0 is a benchtop Erbium-Doped Fiber Amplifier (EDFA) engineered for high-gain signal amplification across C-band, L-band, and C+L-band wavelengths in fiber optic communication systems. Operating from 1528 nm to 1610 nm, this unit amplifies single-channel and multichannel DWDM signals while maintaining low noise figure and high saturated output power across pre-amplifier, booster, and in-line configurations. The amplifier extends transmission distance and enhances signal integrity in demanding OEM manufacturing and R&D applications. C+L-band: 1528–1610 nm Input Signal Support: Single channel and multichannel DWDM Saturated Output Power (Minimum): Mid-span Booster (C-band): 5.5 dB Small Signal Gain: 37 dB (Pre-amp, C-band); additional values vary by configuration Guaranteed Measurement Conditions: Typically 1550 nm or 1590 nm at 23 °C Warm-up Time: 10–20 minut



MODEL

**JDS Uniphase
OAB1562+20FA0**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

OAB1562+20FA0

LISTING

<https://aumictechlabs.com/products/oab1562-20fa0-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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saturated output power across pre-amplifier, booster, and in-line configurations. The amplifier extends transmission distance and enhances signal integrity in demanding OEM manufacturing and R&D applications. Technical Specifications Operating Wavelength Range: 1528–1610 nm (configuration-dependent) Amplifier Configurations: Pre-amplifier, Booster, In-line Amplifier Optical Bands: C-band: 1528–1565 nm L-band: 1540–1560 nm C+L-band: 1528–1610 nm Input Signal Support: Single channel and multichannel DWDM Saturated Output Power (Minimum): Pre-amp (C-band): 14 dBm Booster (C-band): 17 dBm Booster (C+L-band): 20 dBm Booster (DWDM High Power): 24 dBm In-line (C-band): 17 dBm Mid-span Booster (C-band): 21 dBm Noise Figure (Maximum): Pre-amp (C-band): 3.3 dB Booster (C-band): 4.5 dB Booster (C+L-band): 5 dB Booster (DWDM High Power): 5 dB In-line (C-band): 3.8 dB Mid-span Booster (C-band): 5.5 dB Small Signal Gain: 37 dB (Pre-amp, C-band); additional values vary by configuration Guaranteed Measurement Conditions: Typically 1550 nm or 1590 nm at 23 °C Warm-up Time: 10–20 minutes for full specification compliance Key Features Front-panel LCD display for input/output power and current monitoring AC mains power operation Compact benchtop form factor with rack-mount options available Optimized gain, noise figure, and saturated output power across all band configurations Typical Applications Long-haul and metro fiber optic communication systems DWDM system deployment and signal boost stages Component-level OEM manufacturing Optical communications research and development Compatibility & Integration Standard fiber optic interfaces support integration into existing C-band, L-band, and C+L-band optical systems. Front-panel controls enable manual current adjustment and real-time power level monitoring.

OAB156220FA0 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	JDS Uniphase OAB1562
Test Band	C plusLband
Amplifier Type	Booster
Operating Wavelength Range C	1530 to 1560 nm
Operating Wavelength Range L	1570 to 1600 nm
Input Signal	single channel
Saturated Output Power Minimum	19 dBm
Noise Figure Maximum Class	6.5 dB class per C+L column
Small Signal Gain Minimum Class	20 dB class per C+L booster column
PDL Maximum	less than 0.4 dB
PMD Maximum	0.9 ps
Input Output Isolation Minimum	40/40 dB
Optical Interface Options	FC/PC FC/APC SC/PC SC/APC
Dimensions WxHxD	21.2 × 8.9 × 35.5 cm
Weight	less than 4 kg
Operating Temperature	0 to 50 C
Storage Temperature	minus 40 to 70 C
Humidity	maximum 95 percent RH non-condensing 0 to 45 C
Specification Temperature	23 C
Maximum Output Power FDACPlusLClass	not greater than 24.5 dBm Class IIIb
Remote Control	RS232
Packaging	half rack benchtop and 19-inch rack-mount kit
Laser Safety Class	IIIb
Series Family	JDSU OAB EDFACPlusLSaturation Measurement Class: Pin minus 4 dBm at 1550 nm and Pin 0 dBm at 1590 nm
Wavelength range	C: 1530 to 1560 nm

PARAMETER	VALUE
Maximum output power	FDACPlusLClass: not greater than 24.5 dBm Class IIIb
Output isolation	Minimum: 40/40 dB

OAB156220FA0 Specifications

PARAMETER	VALUE
JDS Uniphase OAB1562 C Plus L Band EDFA Booster	Overview
LCD input/output power and current display	RS232 remote control
Technical Specifications	Instrument Family: JDS Uniphase OAB1562

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 to 70 C
Operating temperature	0 to 50 C
Operating Temperature	0 to 50 C
Humidity	maximum 95 percent RH non-condensing 0 to 45 C
Specification Temperature	23 C
Maximum Output Power FDACPlusLClass	not greater than 24.5 dBm Class IIIb
Remote Control	RS232
Packaging	half rack benchtop and 19-inch rack-mount kit
Laser Safety Class	IIIb
Series Family	JDSU OAB EDFACPlusLSaturation Measurement Class: Pin minus 4 dBm at 1550 nm and Pin 0 dBm at 1590 nm Notes From JDS Uniphase OAB Series OEM specification tables for OAB1562 C+L booster. Confirm exact noise-figure/gain footnotes and connector codes on the configuration 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
Remote Control	RS232
Packaging	half rack benchtop and 19-inch rack-mount kit
Laser Safety Class	IIIB
Series Family	JDSU OAB EDFA
C Plus L Saturation Measurement Class	Pin minus 4 dBm at 1550 nm and Pin 0 dBm at 1590 nm
Technical Specifications	
PARAMETER	VALUE
Instrument Family	JDS Uniphase OAB1562
Test Band	C plus L band
Amplifier Type	Booster
Operating Wavelength Range C	1530 to 1560 nm
Operating Wavelength Range L	1570 to 1600 nm
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Weight	less than 4 kg
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Storage Temperature	minus 40 to 70 C
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PARAMETER	VALUE
Specification Temperature	23 C

Specifications

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Specification Temperature	23 C
Maximum Output Power FDACPlusLClass	not greater than 24.5 dBm Class IIb
Remote Control	RS232
Packaging	half rack benchtop and 19-inch rack-mount kit
Laser Safety Class	IIb
Series Family	JDSU OAB EDFACPlusLSaturation Measurement Class: Pin minus 4 dBm at 1550 nm and Pin 0 dBm at 1590 nm

Notes
 From JDS Uniphase OAB Series OEM specification tables for OAB1562 C+L booster. Confirm exact noise-figure/gain footnotes and connector codes on the configuration label.

Laser Safety

Laser Safety Class: IIIb Series Family: JDSU OAB EDFACPlusLSaturation Measurement Class: Pin minus 4 dBm at 1550 nm and Pin 0 dBm at 1590 nm Notes From JDS Uniphase OAB Series OEM specification tables for OAB1562 C+L booster. Confirm exact noise-figure/gain footnotes and connector codes on the configuration 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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<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.