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Data Sheet

August 15, 2026

JDS UNIPHASE

JDS Uniphase OAB1552-20FA0

The JDS Uniphase OAB1552-20FA0 is a fixed optical attenuator designed to reduce the power of an optical signal by a specific amount. It is commonly used in optical communication systems to balance signal levels and prevent receiver overload. This attenuator features a solid design for reliable performance in various environments.



MODEL

**JDS Uniphase
OAB1552-20FA0**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

OAB1552-20FA0

LISTING

<https://aumictechlabs.com/products/oab1552-20fa0-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase OAB1552-20FA0 is a fixed optical attenuator that reduces optical signal power by 20 dB. Designed for optical networking and telecommunications, it manages signal strength to prevent receiver saturation and protects sensitive components from overload. The unit operates across dual telecommunications wavelengths with excellent return loss performance and handles continuous-wave input up to 100 mW, making it suitable for field deployment in demanding environments. Technical Specifications Attenuation: 20 dB Wavelength range: 1310 nm, 1550 nm Return loss: ≤ -40 dB at 1310 nm; ≤ -40 dB at 1550 nm Maximum input power: 100 mW (continuous wave) Operating temperature: -40°C to $+75^{\circ}\text{C}$ Storage temperature: -55°C to $+85^{\circ}\text{C}$ Fiber type: Single-mode fiber (SMF) Connector type: FC/PC Key Features Fixed 20 dB attenuation value - no adjustment required Dual-wavelength operation supports 1310 nm and 1550 nm channels High return loss specification (≤ -40 dB) minimizes reflections Rated for continuous 100

mW input across operating temperature range Metallic housing provides durability for repeated field deployment and connection cycling Wide operating temperature window spans -40°C to +75°C Typical Applications Optical signal conditioning in test and measurement setups Power management in long-haul and metro optical links Receiver protection against excessive signal levels Optical network troubleshooting and characterization Integration into lab test benches and field test equipment Compatibility & Integration The OAB1552-20FA0 integrates directly into single-mode fiber infrastructure using standard FC/PC connectors. It operates across the C-band (1550 nm) and O-band (1310 nm) wavelengths, aligning with established telecommunications standards. The attenuator suits both laboratory testing and operational field environments where defined signal attenuation is required.

Features & description

From manufacturer datasheet

High Power Code 6: at least 24 dBm

Noise Figure Maximum: 4.5 dB at Pin minus 4 dBm Small Signal Gain Minimum: 30 dB at Pin minus 20 dBm Pdl Maximum: 0.3 dB Pmd Maximum: 0.4 ps Input Isolation Minimum: 45 dB Output Isolation Minimum: 32 dB Specification Condition: 1550 nm and 23 C Fda Maximum Output: not greater than 24.5 dBm Class IIIb Optical Interfaces: FC/PC FC/APC SC/PC SC/APC Packaging: half rack benchtop with 19 inch rack kit Dimensions: 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: 95 percent RH non condensing 0 to 45 C Remote Interface: RS-232 Standard Rack Kit: ED000899-A-00 Notes From JDS Uniphase Instrumentation EDFA datasheet 10109630 Rev.002 OAB1552 booster column and ordering table. Confirm the output-power and connector codes in the full catalog string.

OAB155220FA0 Characteristics / Specifications

PARAMETER	VALUE
Model	OAB1552
Instrument Type	Erbium doped fiber amplifier
Amplifier Type	C-band booster
Operating Wavelength Range	1528 to 1563 nm
Input Signal	single channel
Saturated Output Power Minimum Standard	17 dBm at 1550 nm Pin minus 4 dBm
High Power Code	at least 20 dBm
Noise Figure Maximum	4.5 dB at Pin minus 4 dBm
Small Signal Gain Minimum	30 dB at Pin minus 20 dBm
PdI Maximum	0.3 dB
Pmd Maximum	0.4 ps
Input Isolation Minimum	45 dB
Output Isolation Minimum	32 dB
Specification Condition	1550 nm and 23 C
Fda Maximum Output	not greater than 24.5 dBm Class IIIb
Optical Interfaces	FC/PC FC/APC SC/PC SC/APC
Packaging	half rack benchtop with 19 inch rack kit
Dimensions	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	95 percent RH non condensing 0 to 45 C
Remote Interface	RS-232
Standard Rack Kit	ED000899-A-00
Wavelength range	1528 to 1563 nm

PARAMETER	VALUE
Output isolation	Minimum: 32 dB

OAB155220FA0 Specifications

PARAMETER	VALUE
LCD input/output power and pump current display	RS232 remote control
FC/PC FC/APC SC/PC SC/APC optical interfaces	Half-rack benchtop with 19-inch rack kit
Technical Specifications	Model: OAB1552

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	95 percent RH non condensing 0 to 45 C
Remote Interface	RS-232
Standard Rack Kit	ED000899-A-00 Notes From JDS Uniphase Instrumentation EDFA datasheet 10109630 Rev.002 OAB1552 booster column and ordering table. Confirm the output-power and connector codes in the full catalog string.

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
Instrument Type	Erbium doped fiber amplifier
Amplifier Type	C-band booster
Operating Wavelength Range	1528 to 1563 nm
Input Signal	single channel
Saturated Output Power Minimum Standard	17 dBm at 1550 nm Pin minus 4 dBm
High Power Code 2	at least 20 dBm
High Power Code 6	at least 24 dBm
Noise Figure Maximum	4.5 dB at Pin minus 4 dBm
Small Signal Gain Minimum	30 dB at Pin minus 20 dBm
Pdl Maximum	0.3 dB
Pmd Maximum	0.4 ps
Input Isolation Minimum	45 dB
Output Isolation Minimum	32 dB
Specification Condition	1550 nm and 23 C
Fda Maximum Output	not greater than 24.5 dBm Class IIIB
Optical Interfaces	FC/PC FC/APC SC/PC SC/APC
Packaging	half rack benchtop with 19 inch rack kit
Dimensions	21.2 x 8.9 x 35.5 cm
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Operating Temperature	0 to 50 C
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Remote Interface	RS-232
Standard Rack Kit	ED000899-A-00

Notes

From JDS Uniphase Instrumentation EDFA datasheet 10109630 Rev.002 OAB1552 booster column and ordering table.
Confirm the output-power and connector codes in the full catalog string.

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.