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Data Sheet

August 15, 2026

JDS UNIPHASE

JDS Uniphase VA5503-FAS

The JDS Uniphase VA5503-FAS is a precision variable attenuator for single-mode optical networks requiring accurate control of optical signal levels. Handheld and portable, this instrument delivers manual attenuation adjustment with 0.1 dB resolution and maintains settings across power cycles. Its large-format LCD display provides real-time readout of attenuation values, making it essential for network testing, laboratory measurements, receiver characterization, and field system troubleshooting. Connector Options: Bulkhead connectors; FC/PC, FC/APC, SC/PC, and SC/APC available on similar JDS Uniphase products Aumictech offers NIST-traceable calibration and repair for the JDS Uniphase VA5503-FAS. Calibration covers attenuation accuracy at 5 or more set values across the full range (0 to rated maximum dB), attenuation linearity, wavelength-dependent attenuation at 1310 nm, 1490 nm, and 15



MODEL

**JDS Uniphase
VA5503-FAS**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

VA5503-FAS

LISTING

<https://aumictechlabs.com/products/va5503-fas-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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characterization, and field system troubleshooting. Technical Specifications Model: VA5503-FAS
Manufacturer: JDS Uniphase Product Type: Precision Variable Attenuator Fiber Type: Single-mode (SM) Attenuation Resolution: 0.1 dB Connector Options: Bulkhead connectors; FC/PC, FC/APC, SC/PC, and SC/APC available on similar JDS Uniphase products Wavelength Calibration: 830/1300 nm or 1300/1550 nm options Power Source: 9V lithium battery Display: Large-scale LCD readout Key Features Manual front-panel attenuation control with 0.1 dB step resolution Attenuation settings retained after power removal Selectable wavelength calibration bands Compact, field-deployable design Long-life battery operation for portable use Typical Applications Optical network testing and development Laboratory optical power level control Field system testing and troubleshooting Receiver testing and characterization Optical power management in single-mode systems Compatibility & Integration Designed for integration with standard single-mode fiber optic systems and test equipment. Connector flexibility supports multiple industry-standard termination types.

VA5503FAS Characteristics / Specifications

PARAMETER	VALUE
Model	VA5503
Instrument Type	Precision variable optical attenuator
Series Family	JDSU VA5 Series
Attenuation Range Class	50 to 70 dB
Typical Listed Range Example	0 to 60 dB on VA5B literature
Calibration Wavelengths	830 or 1300 or 1550 nm
Return Loss Sm Analog Typical	60 dB
Technology	ultra linear attenuator prism and microlens
Control	micrometer high resolution
Fiber Types	single mode and multimode versions
Display	electronic display on VA5 family units
Spectral Ripple Sm Analog	low ripple for CATV AM systems
Form Factor	benchtop precision attenuator
Use Case	field system testing and lab development
Optical Interface Class	FC PC and other connector options
Pigtail Configurations	available on VA5 family
Maximum Optical Power Class	per connector and fiber type on certificate
Repeatability Class	high micrometer repeatability
Insertion Loss Class	low IL prism design
Operating Temperature Class	0 C to 40 C lab
Manufacturer	JDS Uniphase / JDS Fitel
Configuration Example	VA5503-FAS
Related Models	VA5505 VA5B family
Attenuation	Range Class: 50 to 70 dB
Operating temperature	Class: 0 C to 40 C lab

PARAMETER	VALUE
Return loss	Sm Analog Typical: 60 dB
Fiber type	on certificate

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 C to 40 C lab
Operating Temperature	Class: 0 C to 40 C lab
Operating Temperature Class	0 C to 40 C lab
Manufacturer	JDS Uniphase / JDS Fitel
Configuration Example	VA5503-FAS
Related Models	VA5505 VA5B family Notes Attenuation class, calibration wavelengths, and 60 dB SM return loss from JDSU VA5/VA5B precision attenuator OEM literature. Exact IL and max power are configuration-specific on the unit certificate.

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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Configuration Example	VA5503-FAS
Related Models	VA5505 VA5B family
Notes	
Attenuation class, calibration wavelengths, and 60 dB SM return loss from JDSU VA5/VA5B precision attenuator OEM literature. Exact IL and max power are configuration-specific on the unit certificate.	

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.