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Data Sheet
August 6, 2026

JDS UNIPHASE/JDSU

JDS Uniphase JDSU HA9 HA9503-SUS2 Programmable Attenuator

The JDSU HA9503-SUS2 is a programmable attenuator designed for precise control of optical signal levels. This unit offers high accuracy and repeatability, making it suitable for automated testing and calibration in optical communication systems. It features a wide attenuation range and supports various communication protocols for seamless integration.

MODEL JDS Uniphase/JDSU HA9503-SUS2	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU HA9503-SUS2	LISTING https://aumictechlabs.com/products/ha9503-sus2-2/

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

This unit

The JDSU HA9503-SUS2 is a programmable optical attenuator engineered for precision signal conditioning in optical communication systems. It delivers granular, repeatable control over optical signal attenuation across a variable dynamic range, making it essential for automated testing, system calibration, and signal level management in laboratory and production environments. Built for high accuracy and consistency, this attenuator integrates into existing optical test setups via programmable digital control, supporting multiple communication protocols for flexible system integration.Technical Specifications Optical Performance Type: Programmable Optical Attenuator Attenuation Range: Variable, with high accuracy across operating range Repeatability: Designed

for consistent performance across multiple operations Insertion Loss: Optimized for low insertion loss Return Loss: Performance verified for back reflection management Polarization Dependent Loss (PDL): Specified to minimize signal distortion Control and Interface Control Method: Programmable via digital interface Communication Protocols: Supports multiple industry-standard protocols for system integration Command Set: Proprietary command architecture for attenuation control Physical Characteristics Form Factor: Benchtop or module-based configuration suitable for rack integration or standalone deployment Connectors: Standard optical connector options available Environmental Performance Operating and storage temperature ranges specified for reliable operation across typical laboratory and field conditionsKey Features High-accuracy attenuation control with excellent repeatability Low insertion loss design minimizes system noise figure impact Programmable command interface for automated test workflows Multiple communication protocol support Optimized PDL performance for polarization-sensitive applicationsTypical Applications Automated optical system testing and validation Receiver sensitivity characterization System calibration and signal conditioning Production test environments requiring precise attenuation management Laboratory measurements requiring repeatable signal level controlCompatibility & Integration The HA9503-SUS2 integrates into optical test systems via standard connectors and multiple communication protocols, enabling straightforward integration into both legacy and modern test architectures. Programmable control supports both standalone operation and automated test sequences.

HA9503SUS2 Characteristics / Specifications

PARAMETER	VALUE
Model	HA9503-SUS2
Manufacturer	JDS Uniphase (JDS Fitel)
Instrument Type	Programmable Optical Attenuator
Alias	HA9503-SUS2; HA9 HA9503-SUS2 Optical SM 9/125; 1200–1700 nm; 100 dB; rear SC bulkheads Operational Notes Prefer JDS HA Series specs. Catalog may show slug-only title ha9503-sus2-2–use full product name for PDF.
Wavelength	1200–1700 nm (standard HA9)
Attenuation range	100 dB; resolution 0.01 dB
Repeatability	±0.01 dB max class; accuracy ±0.1 dB max (±0.03 dB typ)
Insertion loss SM	~1.2 dB typ / 1.5 dB max class
Return loss SM	>45 dB (standard K); analog options >60 dB
Max input	200 mW
Beam block	>90–110 dB; <20 ms class
Remote	GPIB, RS-232; SCPI
Power	90–240 Vac; ~2U half-rack; ~4 kg
HA9503	HA9 SM 9/125, 1200–1700 nm
Connector SU	SC/PC or SC/UPC class (SUx)
Port type 2	bulkheads on rear
Same HA9 optical class	100 dB, 0.01 dB, 200 mW, GPIB/RS-232
Attenuation	range and 0.01 dB resolution. Linear design with calibration/offset to match power-meter absolute power. Built-in beam block (>90–110 dB isolation). GPIB and RS-232; SCPI/HP 8156A-compatible command set. Max optical input 200 mW. PDL 0.03 dB typ / 0.
Return loss	SM: >45 dB (standard K); analog options >60 dB - Max input: 200 mW - Beam block: >90–110 dB; <20 ms class - Remote: GPIB, RS-232; SCPI - Power: 90–240 Vac; ~2U half-rack; ~4 kg

HA9503SUS2 Specifications

PARAMETER	VALUE
Key Features (HA9 family)	- Wavelength: 1200–1700 nm (standard HA9)
Technical Specifications	Model: HA9503-SUS2
Optical	SM 9/125; 1200–1700 nm; 100 dB; rear SC bulkheads
Operational Notes	Prefer JDS HA Series specs. Catalog may show slug-only title ha9503-sus2-2—use full product name for PDF.

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

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Model	HA9503-SUS2
Manufacturer	JDS Uniphase (JDS Fitel)
Instrument Type	Programmable Optical Attenuator
Alias	HA9503-SUS2; HA9 HA9503-SUS2

Optical
SM 9/125; 1200–1700 nm; 100 dB; rear SC bulkheads

Operational Notes
Prefer JDS HA Series specs. Catalog may show slug-only title ha9503-sus2-2–use full product name for PDF.

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
788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
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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.