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Data Sheet

August 6, 2026

JDS UNIPHASE/JDSU

JDS Uniphase JDSU HA9 HA9503-SUL2 Programmable Attenuator

The JDS Uniphase HA9503-SUL2 is a programmable attenuator designed for precision control of optical signal strength. It features a compact design and is suitable for integration into various optical systems.



MODEL

**JDS
Uniphase/JDSU
HA9503-SUL2**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

HA9503-SUL2

LISTING

<https://aumictechlabs.com/products/ha9503-sul2-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase JDSU HA9 HA9503-SUL2 is a programmable optical attenuator delivering precise, remote-controlled attenuation of optical signals across the C-, L-, and extended bands. Purpose-built for telecommunications and laboratory test environments, this single-mode attenuator combines wide dynamic range with fine resolution and exceptional accuracy for demanding measurement applications. Technical Specifications Fiber Type: Single-mode 9/125 μm Operating Wavelength Range: 1200–1700 nm Attenuation Range: 100 dB Attenuation Accuracy: ± 0.15 dB Attenuation Resolution: 0.01 dB Insertion Loss: 45 dB Maximum Optical Input Power: 200 mW Polarization Dependent Loss (PDL): Typically 0.03 dB Internal Optical Reflections: Better than 60 dB Connector Type: SC/PC bulkheads (front panel) Key Features Built-in beam blocking switch

provides fast access to infinite attenuation (>90 dB) Cavity effects virtually eliminated for clean attenuation performance 0.01 dB resolution enables fine-grain signal control in laboratory and production test Front panel keypad for manual operation; GPIB (IEEE 488.2) and RS232 interfaces support automated test system integration SCPI/HP8156A compatible command setTypical Applications Optical power level verification and calibration Signal conditioning in fiber-optic test benches Component characterization under controlled attenuation Automated optical network commissioning and troubleshootingCompatibility & Integration The HA9503-SUL2 is supplied with no built-in options. Optional configurations for other HA9 series units include AC19 10/90 splitter, 50/50 splitter, and SW12 optical switch 1×2.

HA9503SUL2 Characteristics / Specifications

PARAMETER	VALUE
Model	HA9503-SUL2
Manufacturer	JDS Uniphase (JDS Fitel)
Instrument Type	Programmable Optical Attenuator
Alias	HA9503-SUL2; HA9 HA9503-SUL2 Optical SM 9/125; 1200–1700 nm; 100 dB; SC/PC rear bulkheads Operational Notes Prefer AssetRelay/JDS HA9503-SUL2 listing and HA Series 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
Connectors	SC/PC (SU) class
Port type 2	bulkheads on rear/back
Published example specs for this PN	accuracy ±0.15 dB class; IL <2.0 dB; RL >45 dB; 200 mW max
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

HA9503SUL2 Specifications

PARAMETER	VALUE
Key Features (HA9 family)	- Wavelength: 1200–1700 nm (standard HA9)
Technical Specifications	Model: HA9503-SUL2
Optical	SM 9/125; 1200–1700 nm; 100 dB; SC/PC rear bulkheads
Operational Notes	Prefer AssetRelay/JDS HA9503-SUL2 listing and HA Series 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

PARAMETER	VALUE
Model	HA9503-SUL2
Manufacturer	JDS Uniphase (JDS Fitel)
Instrument Type	Programmable Optical Attenuator
Alias	HA9503-SUL2; HA9 HA9503-SUL2

Optical

SM 9/125; 1200-1700 nm; 100 dB; SC/PC rear bulkheads

Operational Notes

Prefer AssetRelay/JDS HA9503-SUL2 listing and HA Series 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

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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.