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Data Sheet

August 7, 2026

JDSU

JDSU HA9W1 Optical Attenuator 700-1750nm multimode (50/125um) ****CALIBRATED****

JDSU HA9W1 Optical Attenuator 700-1750nm multimode (50/125um) ****CALIBRATED**** The JDSU HA9W1 is a wideband multimode programmable optical attenuator in the HA9W family. OEM wavelength coverage is 750–1700 nm (catalog listings often state 700–1750 nm) with 60 dB attenuation range and 0.01 dB resolution on 50/125 μ m multimode fiber. GPIB/RS-232 SCPI control; built-in beam block; calibration/offset for absolute power matching. Multimode power-meter calibration; LAN/datacom fiber loss simulation; general lab VOA on 50/125 μ m plant. The JDSU HA9W1 is a wideband multimode programmable optical attenuator in the HA9W family. OEM wavelength coverage is 750–1700 nm (catalog listings often state 700–1750 nm) with 60 dB attenuation range and 0.01 dB resolution on 50/125 μ m multimode fiber. GPIB/RS-232 SCPI control; built-in beam block; calibration/offset for absolute power matching. Multimode power-meter calibration; LAN/datacom fiber loss simulation; general lab VOA on 50/125 μ m plant.



MODEL

JDSU HA9W1

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

HA9W1

LISTING

<https://aumictechlabs.com/products/ha9w1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDSU HA9W1 optical attenuator is engineered for precise control of optical power levels in multimode fiber optic systems. Operating within the 700-1750nm wavelength range and designed for 50/125um fiber, this calibrated attenuator allows engineers and technicians to accurately

reduce signal strength for testing, measurement, and system optimization purposes. Its calibration ensures reliable and repeatable performance, making it an useful tool for maintaining signal integrity in optical networks.

Features & description

From manufacturer datasheet

Features

- Model family: HA9W (wide wavelength)
- Wavelength: 750–1700 nm (OEM); listing title may show 700–1750 nm
- Fiber: multimode 50/125 μm (code 1)
- Attenuation range: 60 dB; resolution 0.01 dB
- Accuracy: ± 0.1 dB; repeatability ± 0.01 dB
- Change rate: < 1.5 s for 0–60 dB class (HA9W table)
- Insertion loss MM 50/125: < 3.2 dB class (connectorized)
- Return loss MM: > 30 dB class (standard K)
- Max input: 200 mW
- Beam block: > 90 dB class
- Interfaces: GPIB, RS-232; SCPI/HP 8156A-compatible
- Typical configs: HA9W1+20KFP1 (FC/PC front), HA9W1+20KSC1 (SC/PC), etc.–confirm label

HA9W1 Characteristics / Specifications

PARAMETER	VALUE
Model	HA9W1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Programmable Multimode Optical Attenuator
Family	HA9W Series
Alias	HA9W1; HA9W1 50/125 Optical 750–1700 nm; 50/125 μ m MM; 60 dB; 0.01 dB; 200 mW max Operational Notes Prefer JDS HA Series specifications PDF. Calibrated units should retain ENR/attenuation cal data with the instrument.
Model family	HA9W (wide wavelength)
Wavelength	750–1700 nm (OEM); listing title may show 700–1750 nm
Fiber	multimode 50/125 μ m (code 1)
Attenuation range	60 dB; resolution 0.01 dB
Accuracy	± 0.1 dB; repeatability ± 0.01 dB
Change rate	<1.5 s for 0–60 dB class (HA9W table)
Insertion loss MM 50/125	<3.2 dB class (connectorized)
Return loss MM	>30 dB class (standard K)
Max input	200 mW
Beam block	>90 dB class
Interfaces	GPIB, RS-232; SCPI/HP 8156A-compatible
Typical configs	HA9W1+20KFP1 (FC/PC front), HA9W1+20KSC1 (SC/PC), etc.–confirm label
Attenuation	range and 0.01 dB resolution on 50/125 μ m multimode fiber. GPIB/RS-232 SCPI control; built-in beam block; calibration/offset for absolute power matching.
Return loss	MM: >30 dB class (standard K) - Max input: 200 mW - Beam block: >90 dB class - Interfaces: GPIB, RS-232; SCPI/HP 8156A-compatible - Typical configs: HA9W1+20KFP1 (FC/PC front), HA9W1+20KSC1 (SC/PC), etc.–confirm label

HA9W1 Specifications

PARAMETER	VALUE
Applications	Multimode power-meter calibration; LAN/datacom fiber loss simulation; general lab VOA on 50/125 µm plant.
Key Features	- Model family: HA9W (wide wavelength)
Technical Specifications	Model: HA9W1
Optical	750–1700 nm; 50/125 µm MM; 60 dB; 0.01 dB; 200 mW max

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	HA9W1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Programmable Multimode Optical Attenuator
Family	HA9W Series
Alias	HA9W1; HA9W1 50/125

Optical

750–1700 nm; 50/125 μm MM; 60 dB; 0.01 dB; 200 mW max

Operational Notes

Prefer JDS HA Series specifications PDF. Calibrated units should retain ENR/attenuation cal data with the instrument.

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.