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Data Sheet

August 8, 2026

JDS UNIPHASE/JDSU

JDS Uniphase HA9 JDSU HA97+18KFA1 Programmable Attenuator

JDS Uniphase/JDSU Optical Attenuators. Resolution: 0.01 dB, Accuracy: ± 0.03 dB typical.

MODEL

**JDS
Uniphase/JDSU
HA97+18KFA1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

HA97+18KFA1

LISTING

<https://aumictechlabs.com/products/ha97-18kf-a1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase HA97+18KFA1 is a programmable optical attenuator designed for precise control of optical signal levels in fiber optic networks. It delivers 100 dB of attenuation with 0.01 dB resolution and ± 0.03 dB typical accuracy, making it suitable for demanding test and measurement applications across the C- and L-bands. The instrument supports both automated and manual adjustment via GPIB and RS232 interfaces, with command compatibility to the HP8156A standard. Technical Specifications Attenuation Range: 100 dB Attenuation Resolution: 0.01 dB Attenuation Accuracy: ± 0.03 dB typical Wavelength Range: 1200–1700 nm Insertion Loss: 2.5 dB (including connectors) Return Loss: 60 dB (analog) Repeatability: 0.01 dB Polarization Dependent Loss (PDL): 0.03 dB typical Wavelength Dependence: $< \pm 0.05$ dB over 1530–1625 nm Maximum Optical Input Power: 1000 mW (1 W / 30 dBm) for HA2 models Fiber Type: Single-mode 9/125 μm ; multimode configurable Connector Type: SC/PC; FC/APC available for specific configurations

Control Interfaces: GPIB (IEEE 488.2), RS232 Command Set: SCPI/HP8156A compatibleKey Features 0.01 dB resolution enables fine-grained power control in laboratory and field environments Wide dynamic range supports loss simulation and power conditioning across extended wavelength spans Bulkhead front-panel ports simplify integration into test racks and systems Optional integrated switching and coupler configurations (1×2 switch, beam block, 2/98, 10/90, 30/70, 50/50 couplers) Universal Connector Adapters (UCAs) available for diverse deployment scenariosTypical Applications Power meter linearity calibration BER testing in analog and digital transmission systems EDFA output power characterization and amplifier testing DWDM system validation and loss simulation in fiber links Multichannel AM systems and high bit-rate PCM systemsCompatibility & Integration Certifications: CE, UL3101-1, CAN/CSA-C22.2 No. 1010.1. Remote control via standard GPIB and RS232 enables integration into automated test benches and network maintenance workflows.

Features & description

From manufacturer datasheet

Features

- Wavelength: 1200–1700 nm; fiber SM 9/125 μm
- Attenuation: 100 dB; resolution 0.01 dB
- Accuracy ± 0.1 dB; repeatability ± 0.01 dB; change < 2.5 s (0–100 dB)
- Built-in option 8: 1×2 optical switch
- IL SM: < 1.5 dB class; RL standard (K) > 45 dB
- Max input: 200 mW; PDL 0.03 dB typ / 0.08 dB max
- Beam block > 90 –110 dB; GPIB + RS-232; SCPI/HP 8156A
- Connectors: FC/APC (FA); front bulkheads (1)

HA9718KFA1 Characteristics / Specifications

PARAMETER	VALUE
Model	HA9 / HA97+18KFA1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Programmable Optical Attenuator with 1×2 Switch
Family	HA9 Series
Alias	HA97+18KFA1; HA9 HA97+18KFA1 Optical 1200–1700 nm SM; 100 dB; 1×2 switch; FC/APC front Operational Notes Prefer JDS HA Series specifications. Do not confuse with HA97E+18KFA1. Confirm switch port labeling on the faceplate.
Wavelength	1200–1700 nm; fiber SM 9/125 μm
Attenuation	100 dB; resolution 0.01 dB
Built-in option 8	1×2 optical switch
IL SM	<1.5 dB class; RL standard (K) >45 dB
Max input	200 mW; PDL 0.03 dB typ / 0.08 dB max
Connectors	FC/APC (FA); front bulkheads (1)

HA9718KFA1 Specifications

PARAMETER	VALUE
Key Features	- Wavelength: 1200–1700 nm; fiber SM 9/125 μm
Technical Specifications	Model: HA9 / HA97+18KFA1
Optical	1200–1700 nm SM; 100 dB; 1×2 switch; FC/APC front
Operational Notes	Prefer JDS HA Series specifications. Do not confuse with HA97E+18KFA1. Confirm switch port labeling on the faceplate.

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	HA9 / HA97+18KFA1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Programmable Optical Attenuator with 1x2 Switch
Family	HA9 Series
Alias	HA97+18KFA1; HA9 HA97+18KFA1

Optical

1200–1700 nm SM; 100 dB; 1x2 switch; FC/APC front

Operational Notes

Prefer JDS HA Series specifications. Do not confuse with HA97E+18KFA1. Confirm switch port labeling on the faceplate.

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
<https://aumictechlabs.com>

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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.