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Data Sheet

August 8, 2026

JDS UNIPHASE/JDSU

JDS Uniphase JDSU HA9 HA97E+18KFA1 Programmable Attenuator

JDS Uniphase/JDSU Optical Attenuators. Resolution: 0.01 dB, Accuracy: ± 0.03 dB typical, Voltage: 100–240 V AC.



MODEL

**JDS Uniphase/JDSU
HA9/HA97E+18KFA1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

HA9/HA97E+18KFA1

LISTING

<https://aumictechlabs.com/products/ha9-ha97e-18kfa1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase JDSU HA9 HA97E+18KFA1 is a programmable optical attenuator delivering precise control of optical signal power across extended attenuation ranges. Operating from 1200 to 1700 nm (optional 750–1700 nm), this instrument provides 0 to 100 dB attenuation with 0.01 dB resolution and ± 0.03 dB typical accuracy. Designed for test labs, system characterization, and demanding measurement environments, it combines high repeatability with low insertion loss and exceptional return loss performance. Technical Specifications Attenuation Range: 0 to 100 dB Attenuation Resolution: 0.01 dB Attenuation Accuracy: ± 0.03 dB typical; ± 0.1 dB maximum Repeatability: 0.01 dB Wavelength Range: 1200–1700 nm standard; 750–1700 nm optional (60 dB max for HA9W) Insertion Loss (Single-mode): 1.2 dB typical, 1.5 dB maximum; with connectors 2.5 dB Return Loss (Single-mode): >45 dB; >60 dB analog Polarization Dependent Loss: 0.03 dB typical, 0.08 dB maximum Wavelength Dependence: ± 0.05 dB max over 1530–1625 nm Maximum

Optical Input Power: 200 mW Beam Block Attenuation: >110 dB Beam Block Speed: <20 ms
Attenuation Change Rate (0–100 dB): ≤ 2.5 seconds Input Voltage: 100–240 V AC, 50–60 Hz Power
Consumption: 80 VA maximum Dimensions: 21.2 × 8.9 × 35.5 cm (W×H×D) Rack Mounting: 19
inch, 2U high, 1/2 rack width Weight: 4 kg Operating Temperature: 0 to 40 °C Storage
Temperature: -40 to 60 °C Key Features SCPI/HP8156A compatible command set GPIB (IEEE
488.2) and RS232 control interfaces Front panel keyboard operation SC/PC and SC/APC
connector options Optional built-in couplers (2/98, 10/90, 30/70, 50/50) and 1×2 switch Single-
mode 9/125 μm fiber with front bulkhead or back panel pigtail ports 5 V driver key for external or
internal switch control Typical Applications Power meter testing and calibration Power meter
linearity verification Analog transmission characterization Bit error rate measurements General
optical test and laboratory work Compatibility & Integration Standard SC/PC connectors support
rapid deployment in existing test benches. Optional couplers and switches extend functionality for
multi-port and tap configurations. Dual control via front panel and remote interfaces (GPIB,
RS232) enables both manual and automated measurement sequences.

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 • Built-in option 8: 1×2 optical switch • RL standard (K) > 45 dB; max input 200 mW • Connectors: FC/APC (FA); front bulkheads • GPIB + RS-232; SCPI/HP 8156A; beam block > 90 dB

HA9HA97E18KFA1 Characteristics / Specifications

PARAMETER	VALUE
Model	HA9 / HA97E+18KFA1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Programmable Optical Attenuator with 1×2 Switch
Family	HA9 / HA97E
Alias	HA97E+18KFA1; HA9 HA97E+18KFA1 Optical 1200–1700 nm SM; 100 dB; 1×2 switch; FC/APC Operational Notes Prefer JDS HA Series specifications. 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
Connectors	FC/APC (FA); front bulkheads

HA9HA97E18KFA1 Specifications

PARAMETER	VALUE
Key Features	- Wavelength: 1200–1700 nm; fiber SM 9/125 μm
Technical Specifications	Model: HA9 / HA97E+18KFA1
Optical	1200–1700 nm SM; 100 dB; 1×2 switch; FC/APC

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 / HA97E+18KFA1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Programmable Optical Attenuator with 1x2 Switch
Family	HA9 / HA97E
Alias	HA97E+18KFA1; HA9 HA97E+18KFA1

Optical

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

Operational Notes

Prefer JDS HA Series specifications. 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.