Aumictech
Test & measurement · bought, sold, repaired, calibrated

Data Sheet
August 6, 2026

JDS UNIPHASE/JDSU

JDS Uniphase JDSU HA9 HA09+20AFA1 Programmable Attenuator

JDS Uniphase/JDSU Optical Attenuators. Resolution: 0.01 dB, Accuracy: ±0.1 dB (or greater of ±0.1 dB or ±0.004 dB/dB.

MODEL JDS Uniphase/JDSU HA9/HA09+20AFA1	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU HA9/HA09+20AFA1	LISTING https://aumictechlabs.com/products/ha9-ha09-20afa1-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase JDSU HA9 HA09+20AFA1 is a programmable optical attenuator that delivers precise, dynamic control of optical signal levels across extended attenuation ranges. Engineered for optical communication system testing, power meter calibration, and laboratory applications, this instrument combines broad dynamic range with fine resolution and excellent repeatability to support demanding measurement and validation workflows.Technical Specifications Attenuation Range: Up to 100 dB (60 dB for optional HA9W extended wavelength) Attenuation Resolution: 0.01 dB Attenuation Repeatability: ±0.01 dB Attenuation Accuracy: ±0.1 dB (or greater of ±0.1 dB or ±0.004 dB/dB to ±0.015 dB/dB depending on calibration optimization and wavelength range) Attenuation Change Rate: <2.5 seconds for 0–100 dB transition Operating Wavelength Range: 1200–1700 nm standard; 750–1700 nm optional (HA9W) Insertion Loss: <1.5 dB single-mode; 45

dB single-mode Maximum Optical Input Power: 200 mW Polarization Dependent Loss (PDL): 0.03 dB typical; 0.08 dB maximum Wavelength Dependence: ±0.05 dB over specified ranges Beam Block Attenuation: >90 dB Power Requirements: 90–240 V AC, 50–60 Hz Power Consumption: 80 VA maximumKey Features Built-in beam block switch for rapid access to infinite attenuation Calibration and offset functions enable display matching to external optical power meters Discrete optical reflections minimized to >60 dB; cavity effects virtually eliminated Front panel keyboard control with remote capability via GPIB (IEEE 488.2) and RS-232 SCPI/HP8156A command compatibility with supplied LabVIEW drivers Configurable couplers (2/98, 10/90, 30/70, 50/50) and optional connector adapters Rear panel 5 V output for external switch driver integrationTypical Applications Optical power meter calibration and verification Dynamic range testing in optical communication systems Laboratory attenuation measurement and control CATV AM system characterizationCompatibility & Integration Software compatibility maintained with HP 8157A attenuator. Remote control via industry-standard GPIB and RS-232 interfaces supports integration into automated test systems.

HA9HA0920AFA1 Characteristics / Specifications

PARAMETER	VALUE
Model	HA9 / HA09+20AFA1
Manufacturer	JDS Uniphase (JDS Fitel)
Instrument Type	Programmable Optical Attenuator
Alias	HA09+20AFA1; HA9 HA09+20AFA1 Optical 1200–1700 nm; 100 dB; 0.01 dB; 200 mW max Operational Notes Prefer JDS HA Series user manual / specifications. Decode exact option from unit label.
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
Family model	HA9 / HA09 (1200–1700 nm class)
Built-in option digit 2	per JDS option table (coupler/switch family–confirm label)
Return-loss code A	Analog high return-loss class (>60 dB SM analog)
Connector code FA	FC/APC-class connectors (confirm faceplate)
Port type 1	bulkheads on front
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

HA9HA0920AFA1 Specifications

PARAMETER	VALUE
Key Features (HA9 family)	- Wavelength: 1200–1700 nm (standard HA9)
Technical Specifications	Model: HA9 / HA09+20AFA1
Optical	1200–1700 nm; 100 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	HA9 / HA09+20AFA1
Manufacturer	JDS Uniphase (JDS Fitel)
Instrument Type	Programmable Optical Attenuator
Alias	HA09+20AFA1; HA9 HA09+20AFA1

Optical
1200–1700 nm; 100 dB; 0.01 dB; 200 mW max

Operational Notes
Prefer JDS HA Series user manual / specifications. Decode exact option from unit label.

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

NIST-traceable calibration · SAM registered · 30-day returns
NAICS 423690 · 811210 · 541380
Generated August 6, 2026