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Data Sheet

August 6, 2026

JDS UNIPHASE/JDSU

JDS Uniphase JDSU HA9 HA097+20ASU1 Programmable Attenuator

JDS Uniphase/JDSU Optical Attenuators. Resolution: 0.01 dB, Accuracy: ± 0.1 dB (± 0.1 dB or ± 0.004 dB/dB from 1260 to 1.

**MODEL****JDS Uniphase/JDSU
HA9/HA097+20ASU1****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****HA9/HA097+20ASU1****LISTING**<https://aumictechlabs.com/products/ha9-ha097-20asu1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase JDSU HA9 HA097+20ASU1 is a high-resolution programmable optical attenuator delivering precise signal control across the extended C-band and L-band wavelength ranges. This instrument provides 0 to 100 dB attenuation with 0.01 dB resolution and repeatability, enabling deterministic optical power management in laboratory and production test environments. The attenuator's inherently linear response, combined with built-in calibration and offset functions, allows direct display matching to external optical power meters across a broad dynamic range. Technical Specifications Attenuation range: 0 to 100 dB Resolution: 0.01 dB Repeatability: 0.01 dB Accuracy: ± 0.1 dB (± 0.1 dB or ± 0.004 dB/dB from 1260 to 1360 nm and 1450 to 1570 nm with optimized calibration wavelength; ± 0.1 dB or ± 0.015 dB/dB at other wavelengths without optimization) Wavelength dependence: 60 dB return loss Beam blocking switch: >90 dB isolation; fast access to infinite attenuation Key Features Standard wavelength range: 1200–1700 nm;

optional extended range 750–1700 nm (60 dB attenuation) SC/APC front-panel connectors; supports FC/PC, SC/PC, ST/PC, FC/APC, and SC/APC via universal connector adapters Minimized etalon cavity effects and spectral ripple Built-in 5 V output for driving external 1×1 or 1×2 fiberoptic switches Exposed metal chassis designElectrical & Interfaces Class 1 instrument with ground protection Remote control: GPIB (IEEE 488.2) and RS232 SCPI/HP8156A-compatible command set; software maintained with HP 8157A LabVIEW drivers suppliedTypical Applications Multichannel AM systems, high bit-rate digital PCM systems, optical communication testing, and laboratory characterization.

HA9HA09720ASU1 Characteristics / Specifications

PARAMETER	VALUE
Model	HA9 / HA097+20ASU1
Manufacturer	JDS Uniphase (JDS Fitel)
Instrument Type	Programmable Optical Attenuator
Alias	HA097+20ASU1 Optical SM 9/125; 1200–1700 nm; 100 dB; 0.01 dB Operational Notes Prefer JDS HA Series specs. Exact coupler option from serial/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
HA097	HA9 with 9/125 µm single-mode fiber (code 7)
Option 2	built-in option per JDS table (confirm coupler/none on label)
Return-loss A	Analog (>60 dB class)
Connector SU	SC/UPC-class (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

HA9HA09720ASU1 Specifications

PARAMETER	VALUE
Key Features (HA9 family)	- Wavelength: 1200–1700 nm (standard HA9)
Technical Specifications	Model: HA9 / HA097+20ASU1
Optical	SM 9/125; 1200–1700 nm; 100 dB; 0.01 dB

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 / HA097+20ASU1
Manufacturer	JDS Uniphase (JDS Fitel)
Instrument Type	Programmable Optical Attenuator
Alias	HA097+20ASU1

Optical

SM 9/125; 1200-1700 nm; 100 dB; 0.01 dB

Operational Notes

Prefer JDS HA Series specs. Exact coupler option from serial/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

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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.