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Data Sheet

August 6, 2026

JDS UNIPHASE/JDSU

JDS Uniphase JDSU HA9 HA097+20KSU1 Programmable Attenuator

The JDS Uniphase HA9/HA097+20KSU1 is an extended-range programmable optical attenuator engineered for precise attenuation control across broad wavelength spans. It delivers up to 100 dB of attenuation at 0.01 dB resolution with ± 0.1 dB accuracy, supporting input power levels to 200 mW. The instrument operates across 1200–1700 nm (standard) or 750–1700 nm (optional), with wavelength dependence under ± 0.05 dB across the C-band. Compatibility & Integration Optional couplers (2/98, 10/90, 30/70, 50/50) and a 1:2 optical fiber switch (SW12) expand functionality for output tap or dual input/output configurations. Aumictech offers NIST-traceable calibration and repair for the JDS Uniphase/JDSU HA9/HA097+20KSU1. Calibration covers attenuation accuracy at 5 or more set values across the full range (0 to rated maximum dB), attenuation linearity, wavelength-dependent attenuation at 1310 nm, 1490



MODEL

**JDS Uniphase/JDSU
HA9/HA097+20KSU1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

HA9/HA097+20KSU1

LISTING

<https://aumictechlabs.com/products/ha9-ha097-20ksu1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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dB of attenuation at 0.01 dB resolution with ± 0.1 dB accuracy, supporting input power levels to 200 mW. The instrument operates across 1200–1700 nm (standard) or 750–1700 nm (optional), with wavelength dependence under ± 0.05 dB across the C-band.

Technical Specifications

Attenuation Range: Up to 100 dB Resolution: 0.01 dB Accuracy: ± 0.1 dB Repeatability: 0.01 dB Wavelength Range: 1200–1700 nm (standard); 750–1700 nm (optional) Wavelength Dependence: 90 dB infinite attenuation Fiber Type: Single-mode 9/125 μm (multimode available for HA9W) Connector: SC/APC on front-panel bulkheads

Key Features

SCPI/HP8156A-compatible command set enables deterministic remote control Triple interface access: front-panel keyboard, GPIB (IEEE 488.2), and RS232 Built-in calibration and offset functions for signal conditioning Low insertion loss with cavity effects virtually eliminated Minimal spectral ripple suitable for CATV AM systems 5 V driver key on front panel for external or internal switch control

Typical Applications

Power meter testing and characterization Optical communication system validation Power meter linearity calibration Laboratory and general test environments

Compatibility & Integration

Optional couplers (2/98, 10/90, 30/70, 50/50) and a 1:2 optical fiber switch (SW12) expand functionality for output tap or dual input/output configurations.

HA9HA09720KSU1 Characteristics / Specifications

PARAMETER	VALUE
Model	HA9 / HA097+20KSU1
Manufacturer	JDS Uniphase (JDS Fitel)
Instrument Type	Programmable Optical Attenuator
Alias	HA097+20KSU1 Optical SM 9/125; 1200–1700 nm; 100 dB; standardKreturn loss; front SC bulkheads Operational Notes Prefer JDS HA Series user manual. Catalog slug ha9-ha097-20ksu1-2.
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	GPIO, RS-232; SCPI
Power	90–240 Vac; ~2U half-rack; ~4 kg
HA097	HA9, 9/125 μm SM
Option 2	built-in option per JDS table (confirm label)
Return-loss K	Standard low RL (>45 dB SM)
Connector SU	SC/UPC-class
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). GPIO 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: GPIO, RS-232; SCPI - Power: 90–240 Vac; ~2U half-rack; ~4 kg

HA9HA09720KSU1 Specifications

PARAMETER	VALUE
Key Features (HA9 family)	- Wavelength: 1200–1700 nm (standard HA9)
Technical Specifications	Model: HA9 / HA097+20KSU1
Optical	SM 9/125; 1200–1700 nm; 100 dB; standard K return loss; front SC bulkheads
Operational Notes	Prefer JDS HA Series user manual. Catalog slug ha9-ha097-20ksu1-2.

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+20KSU1
Manufacturer	JDS Uniphase (JDS Fitel)
Instrument Type	Programmable Optical Attenuator
Alias	HA097+20KSU1

Optical

SM 9/125; 1200-1700 nm; 100 dB; standardKreturn loss; front SC bulkheads

Operational Notes

Prefer JDS HA Series user manual. Catalog slug ha9-ha097-20ksu1-2.

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.