

**Aumictech**

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Data Sheet

August 8, 2026

JDS UNIPHASE/JDSU

JDS Uniphase HA9 JDSU HA097+28KSU1 Programmable Attenuator

The JDS Uniphase HA9 / JDSU HA097+28KSU1 is a programmable attenuator designed for precise control of optical signal strength. It features a compact design and is suitable for integration into various optical systems. Ideal for automated testing and calibration, it ensures reliable performance and accuracy in adjusting signal levels.



MODEL

**JDS Uniphase/JDSU
HA9/HA097+28KSU1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

HA9/HA097+28KSU1

LISTING

<https://aumictechlabs.com/products/ha9-ha097-28ksu1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase HA9 / JDSU HA097+28KSU1 is a programmable optical attenuator engineered for precision control of optical signal strength in single-mode fiber systems. It delivers attenuation up to 100 dB with 0.01 dB resolution across the 1200 nm to 1700 nm wavelength range, making it ideal for demanding optical test environments. The unit supports front-panel keypad control and remote operation via GPIB (IEEE 488.2) and RS232 interfaces with SCPI/HP8156A compatible commands. Technical Specifications Fiber Type: Single-mode 9/125 μ m Wavelength Range: 1200 nm to 1700 nm (standard); optional 750 nm to 1700 nm available Attenuation Range: Up to 100 dB (60 dB reduced range available for specific models) Resolution: 0.01 dB Accuracy: ± 0.1 dB (with calibration optimization) Optical Return Loss: 45 dB (standard configurations) Optical Reflections:

Better than 60 dB Cavity Effects: Virtually eliminated
Key Features SC/APC connectors (HA097+28KSU1 configuration); FC/APC alternative available
Optional universal connector adapters for PC or APC types
Beam blocking switch delivering >90 dB attenuation
Low insertion loss across operating range
Front-panel status LEDs and operating keys
Optional 1:2 optical switch configuration
Fitted coupler options: 2/98, 10/90, 30/70, or 50/50 ratios
Typical Applications
Power meter calibration and testing
Bit error rate testing
Amplifier characterization
DWDM system validation
Multi-channel AM and CATV systems
High bit-rate PCM digital systems
Compatibility & Integration
Remote control via GPIB (IEEE 488.2) and RS232 with SCPI/HP8156A command compatibility enables integration into automated test systems. Front-panel keypad provides direct manual operation. Optional internal couplers and switches allow output tap access or dual input/output configurations.

Features & description

From manufacturer datasheet

Features

- HA9 / HA097: 1200–1700 nm; SM 9/125 μm ; 100 dB; 0.01 dB • Accuracy ± 0.1 dB; repeatability ± 0.01 dB; <2.5 s full-range change • Built-in option 8: 1×2 optical switch • RL standard (K) >45 dB; max input 200 mW • Connectors: SC/APC (SU); front bulkheads • GPIB + RS-232; SCPI/HP 8156A; beam block >90 dB

HA9HA09728KSU1 Characteristics / Specifications

PARAMETER	VALUE
Model	HA9 / HA097+28KSU1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Programmable Optical Attenuator with 1×2 Switch
Family	HA9 Series
Alias	HA097+28KSU1; HA9 HA097+28KSU1 Optical 1200–1700 nm SM; 100 dB; 1×2 switch; SC/APC Operational Notes Prefer JDS HA Series configurator (sample HA097+28KFA1). Confirm switch port labeling on the unit.
HA9 / HA097	1200–1700 nm; SM 9/125 μm; 100 dB; 0.01 dB
Built-in option 8	1×2 optical switch
Connectors	SC/APC (SU); front bulkheads

HA9HA09728KSU1 Specifications

PARAMETER	VALUE
Key Features	- HA9 / HA097: 1200–1700 nm; SM 9/125 μm; 100 dB; 0.01 dB
Technical Specifications	Model: HA9 / HA097+28KSU1
Optical	1200–1700 nm SM; 100 dB; 1×2 switch; SC/APC
Operational Notes	Prefer JDS HA Series configurator (sample HA097+28KFA1). Confirm switch port labeling on the unit.

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+28KSU1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Programmable Optical Attenuator with 1x2 Switch
Family	HA9 Series
Alias	HA097+28KSU1; HA9 HA097+28KSU1

Optical

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

Operational Notes

Prefer JDS HA Series configurator (sample HA097+28KFA1). Confirm switch port labeling on the unit.

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.