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Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 8, 2026

JDS UNIPHASE/JDSU

JDS Uniphase HA9 JDSU HA097+29KFP1 Programmable Attenuator

The JDS Uniphase HA9 (JDSU HA097+29KFP1) is a programmable optical attenuator delivering precise, dynamic control of optical signal strength across broad wavelength ranges. Purpose-built for optical communication system testing, measurement, and calibration, It has attenuation up to 100 dB with 0.01 dB resolution and typical accuracy of ± 0.03 dB.

Compatibility & Integration The HA9 integrates with test benches via GPIB and RS232 interfaces. HP8156A command compatibility simplifies integration into existing measurement systems. Standard and extended wavelength options accommodate diverse fiber-optic applications from visible through C and L bands. Aumictech offers NIST-traceable calibration and repair for the JDS Uniphase/JDSU HA9/HA097+29KFP1. Calibration covers attenuation accuracy at 5 or more set values across the full range (0 to rated maximum dB), attenuation linearity, wavelength



MODEL

**JDS Uniphase/JDSU
HA9/HA097+29KFP1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

HA9/HA097+29KFP1

LISTING

<https://aumictechlabs.com/products/ha9-ha097-29kfp1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase HA9 (JDSU HA097+29KFP1) is a programmable optical attenuator delivering precise, dynamic control of optical signal strength across broad wavelength ranges. Purpose-built

for optical communication system testing, measurement, and calibration, It has attenuation up to 100 dB with 0.01 dB resolution and typical accuracy of ± 0.03 dB. Technical Specifications

Attenuation Performance Range: Up to 100 dB Resolution: 0.01 dB Accuracy (typical): ± 0.03 dB Accuracy (specified): ± 0.1 dB Insertion loss (typical, including connectors): 2.5 dB Insertion loss (minimum): 2.328 dB at 1550 nm Return loss: Better than 60 dB Wavelength Coverage Standard range: 1200 nm to 1700 nm Extended range (HA9W option): 750 nm to 1700 nm (with 60 dB maximum attenuation) Optical Interface Fiber type: Single-mode 9/125 μm Connectors: SC/PC, SC/APC, FC/PC; optional front or back panel universal connector adapters Port mounting: Front panel bulkheads Control & Integration Front panel keyboard control GPIB (IEEE 488.2) interface RS232 interface Command set: SCPI / HP8156A compatible

Key Features High input power capability: 200 mW maximum Built-in 1 $\times$ 2 optical switch Integrated optical couplers: 2/98, 10/90, 30/70, 50/50 ratios Beam blocking switch for fast access to >90 dB attenuation Class 1 instrument with exposed metal chassis and earth ground connection

Typical Applications Power meter testing and calibration Bit error rate (BER) testing Amplifier characterization DWDM system validation Multi-channel AM system analysis High bit-rate PCM system evaluation

Compatibility & Integration The HA9 integrates with test benches via GPIB and RS232 interfaces. HP8156A command compatibility simplifies integration into existing measurement systems. Standard and extended wavelength options accommodate diverse fiber-optic applications from visible through C and L bands.

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 • Built-in option 9: 10/90 optical coupler (monitor tap) • RL standard (K) >45 dB; max input 200 mW
- Connectors: FC/PC (FP); front bulkheads • GPIB + RS-232; SCPI/HP 8156A; beam block >90 dB

HA9HA09729KFP1 Characteristics / Specifications

PARAMETER	VALUE
Model	HA9 / HA097+29KFP1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Programmable Optical Attenuator with 10/90 Coupler
Family	HA9 Series
Alias	HA097+29KFP1; HA9 HA097+29KFP1 Optical 1200–1700 nm SM; 100 dB; 10/90 coupler; FC/PC Operational Notes Prefer JDS HA Series configurator. Confirm monitor-port connector and coupling ratio on the faceplate.
HA9 / HA097	1200–1700 nm; SM 9/125 μm; 100 dB; 0.01 dB
Built-in option 9	10/90 optical coupler (monitor tap)
Connectors	FC/PC (FP); front bulkheads

HA9HA09729KFP1 Specifications

PARAMETER	VALUE
Key Features	- HA9 / HA097: 1200–1700 nm; SM 9/125 μm; 100 dB; 0.01 dB
Technical Specifications	Model: HA9 / HA097+29KFP1
Optical	1200–1700 nm SM; 100 dB; 10/90 coupler; FC/PC

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+29KFP1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Programmable Optical Attenuator with 10/90 Coupler
Family	HA9 Series
Alias	HA097+29KFP1; HA9 HA097+29KFP1

Optical

1200–1700 nm SM; 100 dB; 10/90 coupler; FC/PC

Operational Notes

Prefer JDS HA Series configurator. Confirm monitor-port connector and coupling ratio 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

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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.