

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

JDS UNIPHASE

JDS Uniphase HA097+28ASC1

JDS Uniphase Optical Attenuators. Resolution: 0.01 dB, Accuracy: ± 0.1 dB, Wavelength: dependent power level simulation and adjustment.



MODEL

**JDS Uniphase
HA097+28ASC1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

HA097+28ASC1

LISTING

<https://aumictechlabs.com/products/ha097-28asc1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase HA097+28ASC1 is a programmable optical attenuator for precise signal level control across telecommunications and data communication test environments. This benchtop instrument delivers attenuation across a 100 dB range with 0.01 dB resolution, supporting single-mode 9/125 μm fiber from 1200 nm to 1700 nm. It combines front panel keypad control with GPIB and RS232 interfaces, accepting SCPI/HP8156A command sets for integration into automated test systems. Technical Specifications Attenuation Range: 100 dB Attenuation Resolution: 0.01 dB Attenuation Repeatability: ± 0.01 dB Attenuation Accuracy: ± 0.1 dB Wavelength Range: 1200–1700 nm Fiber Type: Single-mode 9/125 μm Insertion Loss: 1.5 dB (excluding connectors) Return Loss: 60 dB Maximum Optical Power: 200 mW PDL (Polarization Dependent Loss): 0.03 dB typical; 0.08 dB maximum Key Features SC/APC connectors with front panel bulkheads 1×2 integrated switch option Front panel keypad for manual operation Multiple electrical control interfaces (GPIB, RS232) Compatible with HP8156A command protocols Typical Applications Optical signal characterization and power management Automated attenuation testing in telecommunications

labs Optical system validation requiring high resolution control Wavelength-dependent power level simulation and adjustment Compatibility & Integration The attenuator operates via front panel keypad, GPIB (IEEE 488.2), or RS232 serial control. It accepts standard 10/90, 50/50, 2/98, and 30/70 coupler configurations for application-specific optical splitting requirements. SCPI/HP8156A command compatibility enables direct integration into existing test automation frameworks.

Features & description

From manufacturer datasheet

Built-in beam block

GPIB and RS-232 SCPI control Optional couplers and switches on HA9 Technical Specifications
Instrument Family: JDS Uniphase HA9 Model Code: 09 HA9 Operating Wavelength Range: 1200 to 1700 nm Attenuation Range: 100 dB Attenuation Resolution: 0.01 dB Attenuation Repeatability: plus or minus 0.01 dB Attenuation Change Rate 0 To 100 dB: less than 2.5 s Attenuation Accuracy: plus or minus 0.1 dB Insertion Loss Single Mode: less than 1.5 dB Return Loss SM: greater than 45 dB Return Loss SM Analog: greater than 60 dB

Polarization Dependent Loss Maximum: 0.08 dB

Beam Block Isolation: greater than 90 dB Beam Block Speed: less than 20 ms Maximum Optical Input Power: 200 mW AC Input: 90 to 240 Vac 50 to 60 Hz Power Consumption Maximum: 80 VA Dimensions WxHxD: 21.2 × 8.9 × 35.5 cm Weight: 4 kg Operating Temperature: 0 to 40 C Storage Temperature: minus 40 to 60 C Remote Interfaces: GPIB and RS-232 Queue Example Code: HA097+28ASC1 Notes From JDS HA series OEM specification columns for HA9 (ordering code 09). Confirm fiber type return-loss code and connector suffix on HA097+28ASC1 faceplate.

HA09728ASC1 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	JDS Uniphase HA9
Model Code	09 HA9
Operating Wavelength Range	1200 to 1700 nm
Attenuation Range	100 dB
Attenuation Resolution	0.01 dB
Attenuation Repeatability	plus or minus 0.01 dB
Attenuation Change Rate 0 To 100 dB	less than 2.5 s
Attenuation Accuracy	plus or minus 0.1 dB
Insertion Loss Single Mode	less than 1.5 dB
Return Loss SM	greater than 45 dB
Return Loss SM Analog	greater than 60 dB
Polarization Dependent Loss Typical	0.03 dB
Polarization Dependent Loss Maximum	0.08 dB
Beam Block Isolation	greater than 90 dB
Beam Block Speed	less than 20 ms
Maximum Optical Input Power	200 mW
AC Input	90 to 240 Vac 50 to 60 Hz
Power Consumption Maximum	80 VA
Dimensions WxHxD	21.2 × 8.9 × 35.5 cm
Weight	4 kg
Operating Temperature	0 to 40 C
Storage Temperature	minus 40 to 60 C
Remote Interfaces	GPIB and RS-232
Queue Example Code	HA097+28ASC1
Wavelength range	1200 to 1700 nm

PARAMETER	VALUE
Attenuation	Range: 100 dB
Return loss	SM: greater than 45 dB

HA09728ASC1 Specifications

PARAMETER	VALUE
JDS Uniphase HA097 Programmable Optical Attenuator	Overview
Key Features	100 dB attenuation range
Technical Specifications	Instrument Family: JDS Uniphase HA9

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 to 60 C
Operating temperature	0 to 40 C
Operating Temperature	0 to 40 C
Remote Interfaces	GPIB and RS-232
Queue Example Code	HA097+28ASC1 Notes From JDS HA series OEM specification columns for HA9 (ordering code 09). Confirm fiber type return-loss code and connector suffix on HA097+28ASC1 faceplate.

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	
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PARAMETER	VALUE
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Model Code	09 HA9
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Notes

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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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.