

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

JDS UNIPHASE

JDS Uniphase HA9W1+20KSC1

JDS Uniphase Optical Attenuators. Resolution: ** 0.01 dB nominal, Accuracy: ** ± 0.1 dB.

MODEL

**JDS Uniphase
HA9W1+20KSC1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

HA9W1+20KSC1

LISTING

<https://aumictechlabs.com/products/ha9w1-20ksc1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase HA9W1+20KSC1 is a programmable optical attenuator for precision control of optical power in telecommunications and laboratory testing. It delivers up to 100 dB attenuation with 0.01 dB resolution across a 1200–1700 nm wavelength range, making it suitable for power level adjustments in DWDM characterization, bit error rate testing, and general optical test work. Technical Specifications Attenuation Range: Up to 100 dB Resolution: 0.01 dB nominal Accuracy: ± 0.1 dB Wavelength Range: 1200–1700 nm (750–1700 nm available with reduced 60 dB range) Fiber Type: 50/125 μ m multimode Optical Interface: SC/PC Insertion Loss: Typically 60 dB analog Internal Reflectance: Better than 60 dB Beam Blocking Switch: Built-in, >90 dB attenuation Key Features Coupler options: 2/98, 10/90, 30/70, or 50/50 configurations available Optional built-in couplers and switches for output tapping or dual-channel access Minimal cavity effects with discrete internal optical reflections controlled to >60 dB Fast infinite attenuation via mechanical beam blocking switch 5 V front-panel driver key for external or internal switch control Typical Applications Power meter testing and calibration Bit error rate (BER) testing Multichannel AM system characterization High bit-rate digital PCM systems DWDM system validation and

characterization Compatibility & Integration Command control via SCPI/HP8156A-compatible command set, GPIB/IEEE-488, RS232-C, or front-panel keyboard entry. Integrates with external test systems requiring precise optical attenuation control and monitoring.

Features & description

From manufacturer datasheet

Built-in beam block greater than 90 dB

GPIB and RS-232 SCPI compatible control Multimode and singlemode fiber ordering codes Technical Specifications Instrument Family: JDS Uniphase HA9W Operating Wavelength Range: 750 to 1700 nm Attenuation Range: 60 dB Attenuation Resolution: 0.01 dB Attenuation Repeatability: plus or minus 0.01 dB Attenuation Change Rate 0 To 60 dB: less than 1.5 s Attenuation Accuracy: plus or minus 0.1 dB Insertion Loss SM Wide Class: less than 5.0 dB Insertion Loss MM 50/125 Class: less than 3.2 dB Insertion Loss MM Other Class: less than 3.9 dB Return Loss SM: greater than 45 dB Return Loss SM Analog: greater than 60 dB Return Loss MM 50/125: greater than 35 dB

Polarization Dependent Loss Maximum: 0.08 dB

Beam Block Isolation: greater than 90 dB 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: HA9W1+20KSC1 Notes From JDS HA series OEM specification columns for HA9W. Queue HA9W1+20KSC1 is HA9W with fiber/port/connector coding; confirm 50/125 versus 62.5/125 and SC versus FC on the configuration label.

HA9W120KSC1 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	JDS Uniphase HA9W
Operating Wavelength Range	750 to 1700 nm
Attenuation Range	60 dB
Attenuation Resolution	0.01 dB
Attenuation Repeatability	plus or minus 0.01 dB
Attenuation Change Rate 0 To 60 dB	less than 1.5 s
Attenuation Accuracy	plus or minus 0.1 dB
Insertion Loss SM Wide Class	less than 5.0 dB
Insertion Loss MM 50/125 Class	less than 3.2 dB
Insertion Loss MM Other Class	less than 3.9 dB
Return Loss SM	greater than 45 dB
Return Loss SM Analog	greater than 60 dB
Return Loss MM 50/1	greater than 35 dB
Polarization Dependent Loss Typical	0.03 dB
Polarization Dependent Loss Maximum	0.08 dB
Beam Block Isolation	greater than 90 dB
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	HA9W1+20KSC1

PARAMETER	VALUE
Wavelength range	750 to 1700 nm
Attenuation	Range: 60 dB
Return loss	SM: greater than 45 dB

HA9W120KSC1 Specifications

PARAMETER	VALUE
JDS Uniphase HA9W1 Programmable Optical Attenuator	Overview
Key Features	Wide 750 to 1700 nm operating window
Technical Specifications	Instrument Family: JDS Uniphase HA9W

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	HA9W1+20KSC1 Notes From JDS HA series OEM specification columns for HA9W. Queue HA9W1+20KSC1 is HA9W with fiber/port/connector coding; confirm 50/125 versus 62.5/125 and SC versus FC on the configuration label.

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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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.