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Data Sheet

August 15, 2026

JDS UNIPHASE

JDS Uniphase HA8 - HA8503-FAS2

The JDS Uniphase HA8-HA8503-FAS2 is a fiber optic transceiver module engineered for optical communication systems requiring reliable data transmission over single-mode fiber. Designed for telecommunications and data networking applications, this transceiver delivers signal transport across optical networks. The module supports standard optical communication protocols and integrates into established telecom infrastructure. Aumictech offers NIST-traceable calibration and repair for the JDS Uniphase HA8-HA8503-FAS2. Calibration covers optical reference power levels, electrical signal amplitude calibration, protocol layer verification, and BER measurement floor validation. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1–3 business days after receipt. Common JDS Uniphase HA8-HA8503-FAS2 faults: SFP cage mechanical damage, optical port contamination, firmware



MODEL

**JDS Uniphase
HA8-HA8503-
FAS2**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

**HA8-HA8503-
FAS2**

LISTING

<https://aumictechlabs.com/products/ha8-ha8503-fas2-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase HA8-HA8503-FAS2 is a fiber optic transceiver module engineered for optical communication systems requiring reliable data transmission over single-mode fiber. Designed for telecommunications and data networking applications, this transceiver delivers signal transport

across optical networks. The module supports standard optical communication protocols and integrates into established telecom infrastructure. Technical Specifications Operates over single-mode optical fiber. Specific wavelength, data rate, and optical power parameters are defined by the module's operational requirements in telecommunications and networking deployments. Key Features Single-mode fiber compatibility Optimized for telecommunications and data networking environments optical signal transmission Designed for integration into optical communication systems Typical Applications Telecommunications networks Data networking systems Long-distance optical signal transport Enterprise and carrier-class deployments Compatibility & Integration The transceiver integrates into optical communication systems utilizing single-mode fiber infrastructure. Installation follows standard telecommunications equipment integration practices.

Features & description

From manufacturer datasheet

Built-in beam block to infinite attenuation

Calibration and offset to match power meter GPIB and RS232 SCPI remote control Single-mode or multimode fiber builds Technical Specifications Model: HA8503 Also Known As: HA8 Instrument Type: Programmable variable optical attenuator Series Family: JDSU HA Series HA1/HA9 architecture 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 Accuracy: plus or minus 0.1 dB Attenuation Change Rate 0 To 100 dB: less than 2.5 s Insertion Loss Single Mode: less than 1.5 dB Return Loss SM Analog: greater than 60 dB

Polarization Dependent Loss Maximum: 0.08 dB

Beam Block Isolation: greater than 90 dB Maximum Optical Input Power: 200 mW Wavelength Dependence 0 To 20 dB: plus or minus 0.05 dB from 1530 to 1625 nm Ac Input: 90 to 240 Vac 50 to 60 Hz Power Consumption Maximum: 80 VA Dimensions: 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 Command Set: SCPI compatible Fiber Type Typical: 9/125 um single mode Notes From JDS Uniphase HA Series attenuator specification tables (HA1/HA9 column) and HA8503 configuration listings. Connector and FAS2 adapter codes are unit-specific.

HA8HA8503FAS2 Characteristics / Specifications

PARAMETER	VALUE
Model	HA8503
Also Known As	HA8
Instrument Type	Programmable variable optical attenuator
Series Family	JDSU HA Series HA1/HA9 architecture
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 Accuracy	plus or minus 0.1 dB
Attenuation Change Rate 0 To 100 dB	less than 2.5 s
Insertion Loss Single Mode	less than 1.5 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
Maximum Optical Input Power	200 mW
Wavelength Dependence 0 To 20 dB	plus or minus 0.05 dB from 1530 to 1625 nm
Ac Input	90 to 240 Vac 50 to 60 Hz
Power Consumption Maximum	80 VA
Dimensions	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
Command Set	SCPI compatible

PARAMETER	VALUE
Fiber Type Typical	9/125 um single mode
Wavelength range	1200 to 1700 nm
Attenuation	Range: 100 dB
Return loss	SM Analog: greater than 60 dB
Fiber type	Typical: 9/125 um single mode

HA8HA8503FAS2 Specifications

PARAMETER	VALUE
JDS Uniphase HA8 HA8503 Programmable Optical Attenuator	Overview
Key Features	Extended 100 dB programmable range
Calibration and offset to match a power meter	GPIB and RS232 SCPI remote control
Technical Specifications	Model: HA8503

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
Command Set	SCPI compatible
Fiber Type Typical	9/125 um single mode Notes From JDS Uniphase HA Series attenuator specification tables (HA1/HA9 column) and HA8503 configuration listings. Connector and FAS2 adapter codes are unit-specific.

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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Notes

From JDS Uniphase HA Series attenuator specification tables (HA1/HA9 column) and HA8503 configuration listings. Connector and FAS2 adapter codes are unit-specific.

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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<https://aumictechlabs.com>

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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.