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Data Sheet

August 8, 2026

JDSU

JDSU MTA150 Attenuator mainframe W/8 X MTA300 ~ HA9

JDSU Optical Attenuators. Resolution: 0.05 dB nominal, Accuracy: ± 0.1 dB maximum, Wavelength: 1200–1700 nm.



MODEL

**JDSU
MTA150/MTA300**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MTA150/MTA300

LISTING

<https://aumictechlabs.com/products/mta150-mta300-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDSU MTA150 is a 19-inch rack-mountable attenuator mainframe designed for automated optical testing and signal conditioning. This configuration pairs the MTA150 chassis with eight MTA300 programmable optical attenuator cassettes, delivering multi-channel attenuation control across the C, L, and extended bands. The modular architecture supports up to eight attenuator or switch cassettes plus one controller cassette, enabling customizable channel density and mixed functionality within a single 2U frame. The MTA300 attenuator modules provide programmable attenuation exceeding 60 dB with 0.05 dB nominal resolution and ± 0.1 dB maximum accuracy. Change rate is less than 6 seconds from 0 to 60 dB. Each module delivers 2.2 dB typical insertion loss, >60 dB typical return loss, and 90 dB isolation. All modules support bidirectional optics with SC/APC connectors and accept up to 200 mW optical input power. Technical Specifications Mainframe (MTA150) Form factor: 19-inch rack-mountable, 2U height Dimensions: 48.3 × 8.9 ×

49.7 cm (W × H × D) Weight: Approximately 16 kg Power: 100–240 V AC, 50–60 Hz, 80 VA maximum Operating temperature: 0 to 40 °C Storage temperature: –40 to 60 °C Humidity: Maximum 95% up to 40 °C, decreasing 5% per °C from 40 to 60 °C Attenuator Cassette (MTA300) Attenuation range: Programmable >60 dB Resolution: 0.05 dB nominal Accuracy: ±0.1 dB maximum Repeatability: ±0.005 dB typical, ±0.02 dB maximum Change rate: 60 dB typical, >57 dB maximum PDL: 0.05 dB typical, 0.10 dB maximum (0.03 dB typical, 0.05 dB maximum at 1545–1565 nm) Beam isolation: >90 dB Operating wavelength: 1200–1700 nm Maximum optical input power: 200 mW Fiber type: Singlemode (9/125 μm) Optical interface: SC/APC Bidirectional: Yes Key Features Etalon-free optical design for low distortion Integrated beam blocking switch for rapid infinite attenuation GPIB control with SCPI command compatibility Local control via front panel keypad and LCD display LabVIEW drivers available Capacity for mixed attenuator and switch cassette configurations Typical Applications Automated optical component testing Signal conditioning in production environments Multi-channel attenuation in laboratory settings Precision optical power level control Compatibility & Integration The MTA150 mainframe integrates with the JDSU MTA Series components. The platform accepts any combination of attenuator and switch cassettes up to eight units, plus one controller cassette, supporting flexible test system architectures.

MTA150MTA300 Characteristics / Specifications

PARAMETER	VALUE
Model	MTA150 + 8× MTA300
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Multi-channel Optical Attenuator Shelf
Family	MTA Series
Alias	MTA150; MTA300; MTA150 W/8 X MTA300 Optical 8-ch SM VOA bank; 1200–1700 nm; >60 dB; GPIB Operational Notes Prefer JDS MTA Series documentation. Verify all eight cassettes are MTA300 and connector types match the application.
Shelf	accepts 1× MTA150 controller + up to 8 attenuator/switch/coupler cassettes; 19-inch rack capable
Controller	MTA150 – LED/keypad local control; GPIB; SCPI; LabVIEW drivers
Modules	8× MTA300 optical attenuator cassettes
Wavelength	1200–1700 nm
Fiber	SM 9/125 μm
Attenuation	>60 dB; resolution 0.05 dB; accuracy ±0.05 dB class (±0.1 dB max)

MTA150MTA300 Specifications

PARAMETER	VALUE
Applications	Multi-channel optical power control; production attenuator banks; automated fiber test analogous to HA9 benchtop VOAs.
Key Features (system)	- Shelf: accepts 1× MTA150 controller + up to 8 attenuator/switch/coupler cassettes; 19-inch rack capable
Key Features (each MTA300)	- Wavelength: 1200–1700 nm
Technical Specifications	Model: MTA150 + 8× MTA300
Optical	8-ch SM VOA bank; 1200–1700 nm; >60 dB; GPIB
Operational Notes	Prefer JDS MTA Series documentation. Verify all eight cassettes are MTA300 and connector types match the application.

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.

Performance class comparable to HA9 family VOA use cases

Technical Specifications

Technical Specifications

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Optical

8-ch SM VOA bank; 1200–1700 nm; >60 dB; GPIB

Operational Notes

Prefer JDS MTA Series documentation. Verify all eight cassettes are MTA300 and connector types match the application.

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.