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Data Sheet

August 13, 2026

JDS UNIPHASE

JDS Uniphase MTA300

JDSU MTA150 Attenuator mainframe W/8 X MTA300 ~ HA9 JDSU MTA Series multi-channel attenuator shelf with MTA150 control cassette and eight MTA300 attenuator cassettes. Provides HA9-class programmable attenuation density in compact rack shelf: one controller plus up to eight attenuator/switch/coupler modules, local keypad and GPIB/SCPI remote control. Multi-channel optical power control; production attenuator banks; automated fiber test analogous to HA9 benchtop VOAs. JDSU MTA Series multi-channel attenuator shelf with MTA150 control cassette and eight MTA300 attenuator cassettes. Provides HA9-class programmable attenuation density in compact rack shelf: one controller plus up to eight attenuator/switch/coupler modules, local keypad and GPIB/SCPI remote control. Multi-channel optical power control; production attenuator banks; automated fiber test analogous to HA9 benchtop VOAs.



MODEL

**JDS Uniphase
MTA300**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MTA300

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase MTA300 is a programmable optical attenuator cassette designed for integration into the MTA Series Attenuator Shelf. It delivers precise, adjustable attenuation of optical signals across C-band and L-band wavelengths, making it essential for DWDM power equalization, transmission equipment testing, and optical system validation. The module operates

as part of a modular, rack-mountable multi-channel system supporting up to eight cassettes in a single 19-inch chassis. Technical Specifications Attenuation Range: >60 dB programmable Resolution: 0.5 dB Accuracy: ± 0.1 dB nominal Wavelength Range: 1200 nm to 1700 nm (optimal: 1545 nm to 1645 nm) Fiber Type: Singlemode (9/125 μm) Connector Options: FC/PC, SC/APC Power Supply: 100 V to 240 V AC, 50 Hz to 60 Hz Power Consumption: 80 VA maximum Fuse: (5 $\times$ 20) mm, T1A/250 V (slow-acting) Key Features Etalon-free optical design minimizes signal distortion Low polarization dependent loss (PDL) High return loss performance Bidirectional optics - either fiber port functions as input Integrated beam blocking switch for rapid attenuation to infinite loss, simulating fiber failure conditions Retractable connector plate for maintenance and cleaning access IEEE 488.2 (GPIB) remote control with SCPI command compatibility LabVIEW drivers included for automated system control Front panel keypad and display on controller cassette Typical Applications Power equalization in Dense Wavelength Division Multiplexing (DWDM) systems Production testing and validation of optical transmission equipment Optical communication system calibration and characterization Compatibility & Integration The MTA300 operates within the MTA Series framework. Standard configurations pair the cassette with an MTA100 AC-powered chassis and MTA150 GPIB controller, accommodating up to eight attenuator modules in a single shelf. This modular architecture enables custom multi-channel configurations optimized for specific test requirements.

MTA300 Key Specifications

PARAMETER	VALUE
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)
RL	>57 dB; PDL: <0.05 dB typical

MTA300 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.

MTA300 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

PARAMETER	VALUE
Model	MTA150 + 8× MTA300
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Multi-channel Optical Attenuator Shelf
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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.

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.