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Data Sheet

August 7, 2026

JDSU

JDSU MTAS7 Switch Module Mainframe MTA150 GPIB & 8 MTAS7+1001FA1 Modules

JDSU Optical Attenuators. Resolution: 0.05 dB, Accuracy: Nominal 0.05 dB, Wavelength: sensitive applications.



MODEL

**JDSU
MTAS7/MTA150/MTAS7+1001FA1**

CALIBRATION

**Available
on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MTAS7/MTA150/MTAS7+1001FA1

LISTING

<https://aumictechlabs.com/products/mtas7-mta150-mtas7-1001fa1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDSU MTAS7 Switch Module Mainframe is a 19-inch rack-mountable chassis with automated optical signal routing and attenuation. This configuration pairs the MTA150 GPIB Control Cassette with eight MTAS7+1001FA1 optical attenuator modules, enabling precise, programmable control of optical power levels across multiple channels. The system supports IEEE 488.2 (GPIB) remote operation, front-panel keypad control, and SCPI-compatible commands with LabVIEW driver support for integration into automated test environments. Technical Specifications Mainframe Form Factor: 19-inch rack-mountable shelf; accommodates one controller card and up to eight additional modules Controller: MTA150 GPIB Control Cassette with IEEE 488.2 interface and front-panel LED display Attenuation Range (per MTAS7+1001FA1): >60 dB programmable Attenuation Resolution: 0.05 dB Attenuation Accuracy: Nominal 0.05 dB; ± 0.1 dB or better

Wavelength Range (Calibration): 1200 to 1700 nm; optimal performance 1545 to 1645 nm Optical Design: Etalon-free, bidirectional optical path, low polarization dependent loss (PDL), high return loss

Key Features Eight optical attenuator cassettes for multi-channel attenuation control GPIB interface enables remote automation and integration with test systems SCPI command compatibility and LabVIEW driver availability for flexible system integration Programmable attenuation with fine 0.05 dB resolution and tight ± 0.1 dB accuracy Low-distortion optical path suitable for wavelength-sensitive applications Dual control modes: front-panel operation and remote GPIB interface

Typical Applications Eight-channel dense wavelength division multiplexer (DWDM) amplified systems requiring power equalization Optical signal conditioning in automated test environments Multi-channel optical power level management across broadband or narrowband systems

Compatibility & Integration The MTA150 controller integrates with the JDSU MTA Series platform, accepting various module types including optical switches, attenuators, and fiber couplers. SCPI command protocol and LabVIEW drivers enable seamless integration into existing automated measurement and control systems via GPIB.

MTAS7MTA150MTAS71001FA1 Characteristics / Specifications

PARAMETER	VALUE
Model	MTA150 + 8× MTAS7+1001FA1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Multi-channel Optical Attenuator Shelf System
Family	MTA Series
Alias	MTAS7 MTA150; MTAS7+1001FA1; MTA300 Optical 8-ch SM VOA bank; 1200–1700 nm; >60 dB; FC/APC; GPIB Operational Notes Prefer JDS MTA Series documentation. Confirm all eight cassettes are MTAS7+1001FA1 and controller is MTA150.
Shelf	MTA mainframe; 1× controller + up to 8 attenuator/switch/coupler cassettes; 19-inch rack capable
Controller	MTA150 – LED/keypad local control; GPIB remote; SCPI-compatible; LabVIEW drivers
Modules	8× MTAS7+1001FA1 (MTA300 optical attenuator cassettes)
Wavelength	1200–1700 nm
Fiber	SM 9/125 μm
Attenuation range	>60 dB
Resolution	0.05 dB
Accuracy	±0.05 dB class (±0.1 dB max)
Return loss	>57 dB
PDL	<0.05 dB typical
Connectors	FC/APC; bulkheads on front
Attenuation	under SCPI/GPIB.

MTAS7MTA150MTAS71001FA1 Specifications

PARAMETER	VALUE
Key Features (system)	- Shelf: MTA mainframe; 1× controller + up to 8 attenuator/switch/coupler cassettes; 19-inch rack capable
Technical Specifications	Model: MTA150 + 8× MTAS7+1001FA1
Optical	8-ch SM VOA bank; 1200–1700 nm; >60 dB; FC/APC; GPIB
Operational Notes	Prefer JDS MTA Series documentation. Confirm all eight cassettes are MTAS7+1001FA1 and controller is MTA150.

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

Specifications

PARAMETER	VALUE
Model	MTA150 + 8× MTAS7+1001FA1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Multi-channel Optical Attenuator Shelf System
Family	MTA Series
Alias	MTAS7 MTA150; MTAS7+1001FA1; MTA300

Optical

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

Operational Notes

Prefer JDS MTA Series documentation. Confirm all eight cassettes are MTAS7+1001FA1 and controller is MTA150.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<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.