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Data Sheet

August 14, 2026

JDS UNIPHASE

JDS Uniphase MTA100

JDS Uniphase MTA100 Optical Attenuator Shelf The JDS Uniphase MTA100 is the AC-powered 19-inch rack shelf for the MTA modular attenuator system. OEM tables list capacity for one MTA150 control cassette plus up to eight MTA300 attenuator (or switch) cassettes, 100 to 240 V AC input, 80 VA maximum power consumption, dimensions 48.3 × 8.9 × 49.7 cm (2U), and weight approximately 16 kg. Eight-channel DWDM power equalization racks, stacked multi-shelf attenuation farms (16/32/40 channels), and modular photonic ATE attenuation. The JDS Uniphase MTA100 is the AC-powered 19-inch rack shelf for the MTA modular attenuator system. OEM tables list capacity for one MTA150 control cassette plus up to eight MTA300 attenuator (or switch) cassettes, 100 to 240 V AC input, 80 VA maximum power consumption, dimensions 48.3 × 8.9 × 49.7 cm (2U), and weight approximately 16 kg. Eight-channel DWDM power equalization racks, stacked multi-shelf attenuation farms (16/32/40 channels), and modular photonic ATE attenuation. Holds one controller and eight attenuator or switch cassettes



MODEL

**JDS Uniphase
MTA100**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MTA100

LISTING

<https://aumictechlabs.com/products/mta100-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase MTA100 is a 19-inch rack-mountable optical test chassworks with precision attenuation control and measurement across the extended optical spectrum. The modular platform accommodates up to eight MTA300 attenuator cassettes and one MTA150 control

cassette, enabling configurable test setups for R&D, manufacturing, and quality assurance environments. Technical Specifications Chassis & Power 19-inch rack-mountable AC-powered chassis Input: 100-240 VAC, 50-60 Hz, single-phase Maximum power consumption: 80 VA Fuse: T1A/250V (slow-blow) Optical Attenuator Cassettes (MTA300) Attenuation resolution: 0.05 dB nominal Attenuation accuracy: ± 0.1 dB maximum Calibrated wavelength range: 1200 nm to 1700 nm Optimal performance range: 1545 nm to 1645 nm Low polarization-dependent loss (PDL) High return loss; etalon-free optical design Control & Interface Control cassette: MTA150 with IEEE 488.2 (GPIB) Environmental Operating temperature: -55°C to $+105^{\circ}\text{C}$ Key Features Modular cassette architecture supports mixed configurations Etalon-free design minimizes signal distortion across the calibrated bandwidth Precision attenuation control in 0.05 dB steps with ± 0.1 dB accuracy Extended wavelength coverage from 1200 nm to 1700 nm with optimized performance in the C-band (1545–1645 nm) GPIB control enables integration into automated test systems Class 1 instrument classification with protective earth grounding Typical Applications Optical component characterization and validation Signal attenuation measurement in fiber-optic systems Manufacturing test automation for optical devices R&D evaluation of optical signal integrity Compatibility & Integration The MTA100 chassis directly accepts JDS Uniphase MTA300 attenuator cassettes and MTA150 control cassettes. GPIB connectivity integrates the system into existing laboratory and production test benches.

MTA100 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	JDS Uniphase MTA100
Input Voltage	100 to 240 V AC 50 to 60 Hz
Power Consumption Maximum	80 VA
Dimensions WxHxD	48.3 × 8.9 × 49.7 cm
Rack Mounting	2U high standard 19 inch
Weight Approximate	16 kg
Operating Temperature	0 to 40 C
Storage Temperature	minus 40 to 60 C
Humidity	maximum 95 percent up to 40 C
Attenuator Cassette Capacity	up to 8
Control Cassette Capacity	1 MTA150
Related Attenuator Cassette	MTA300
Related Control Cassette	MTA150
Remote Interface Via Controller	GPIB IEEE 488.2
Command Set Via Controller	SCPI compatible
Attenuator Wavelength Range Class	1200 to 1700 nm
Attenuator Range Class	greater than 60 dB
Attenuator Resolution Class	0.05 dB nominal
Maximum Optical Input Power Class	200 mW per cassette
Beam Block Isolation Class	greater than 90 dB
Series Family	JDSU MTA modular attenuator
Form Factor	rack mount shelf
Wavelength range	Class: 1200 to 1700 nm

MTA100 Specifications

PARAMETER	VALUE
JDS Uniphase MTA100 Optical Attenuator Shelf	Overview
Stackable shelves for higher channel counts	IEEE 488.2 control via MTA150
Technical Specifications	Instrument Family: JDS Uniphase MTA100

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
Humidity	maximum 95 percent up to 40 C
Attenuator Cassette Capacity	up to 8
Control Cassette Capacity	1 MTA150
Related Attenuator Cassette	MTA300
Related Control Cassette	MTA150
Remote Interface Via Controller	GPIO IEEE 488.2
Command Set Via Controller	SCPI compatible
Attenuator Wavelength Range Class	1200 to 1700 nm
Attenuator Range Class	greater than 60 dB
Attenuator Resolution Class	0.05 dB nominal
Maximum Optical Input Power Class	200 mW per cassette
Beam Block Isolation Class	greater than 90 dB
Series Family	JDSU MTA modular attenuator
Form Factor	rack mount shelf Notes From JDS Uniphase MTA100 shelf OEM specification summaries accompanying MTA300 cassette literature. Optical performance rows are cassette-class; confirm loaded cassette types on the shelf.

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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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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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.