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Data Sheet

August 14, 2026

JDS UNIPHASE

JDS Uniphase MTAS7+1001FA1

The JDS Uniphase MTAS7+1001FA1 is a programmable optical attenuator cassette for the MTA 300 platform, delivering greater than 60 dB attenuation range with precise optical power control across communication and test applications. Built on etalon-free individual attenuator architecture, this module minimizes signal distortion while maintaining low polarization dependent loss (PDL) and return loss for reliable performance in demanding measurement environments. The cassette integrates dual control pathways: direct manipulation via front panel keypad for immediate adjustments, or remote operation through GPIB interface with SCSI-compatible command syntax. LabVIEW driver support accelerates deployment in automated test frameworks and reduces integration overhead for systems engineers building complex optical characterization benches. Etalon-free individual attenuators reduce signal distortion.



MODEL

**JDS Uniphase
MTAS7+1001FA1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MTAS7+1001FA1

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

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loss (PDL) and return loss for reliable performance in demanding measurement environments. The cassette integrates dual control pathways: direct manipulation via front panel keypad for immediate adjustments, or remote operation through GPIB interface with SCSI-compatible command syntax. LabVIEW driver support accelerates deployment in automated test frameworks and reduces integration overhead for systems engineers building complex optical characterization benches. Technical Specifications Attenuation range: Greater than 60 dB Attenuator type: Programmable optical cassette module Polarization dependent loss: Low Return loss: Low Distortion: Minimized through etalon-free design Key Features Etalon-free individual attenuators reduce signal distortion and spectral artifacts Low PDL and return loss preserve signal integrity across polarization states Dual control interface - front panel keypad and GPIB remote - supports both manual and automated workflows SCPI command compatibility enables vendor-neutral integration LabVIEW driver availability simplifies automated test system development Typical Applications Optical communication system characterization Optical test and measurement Laboratory research and signal conditioning Dynamic optical power management in multi-instrument test setups Compatibility & Integration Form factor: MTA 300 chassis cassette module Remote interface: GPIB Command language: SCPI (Standard Commands for Programmable Instruments) Software drivers: LabVIEW available

Features & description

From manufacturer datasheet

Built-in beam block

MTA150 local or GPIB SCPI control Retractable connector plate class Technical Specifications Base Model: JDS Uniphase MTA300

Polarization Dependent Loss Maximum: 0.10 dB

PDL At 1545 To 1565 nm Maximum: 0.05 dB Beam Block Isolation: greater than 90 dB Beam Block Speed: less than 20 ms Recalibration Period Recommended: 2 years Host Shelf: MTA100 Control Cassette: MTA150 Alias Of: jdsu-mta300 Example Codes: MTAS7-1001FA1 MTAS7-1100NCN Notes Alias ordering prefix for MTA300 cassettes (MTAS7-...). Shared numeric table from MTA300 OEM specifications; confirm FA/SC connector and option fields on the cassette label.

MTAS71001FA1 Characteristics / Specifications

PARAMETER	VALUE
Base Model	JDS Uniphase MTA300
Ordering Prefix	MTAS7
Operating Wavelength Range	1200 to 1700 nm
Fiber Type	9/125 um
Attenuation Range	greater than 60 dB
Attenuation Resolution	0.05 dB nominal
Attenuation Repeatability Maximum	plus or minus 0.02 dB
Attenuation Change Rate 0 To 60 dB	less than 6 s
Attenuation Accuracy Maximum	plus or minus 0.1 dB
Insertion Loss Typical	2.2 dB
Insertion Loss Maximum	2.5 dB
Return Loss Maximum Spec Floor	greater than 57 dB
Maximum Optical Input Power	200 mW
Polarization Dependent Loss Maximum	0.10 dB
PDL At 1545 To 1565 nm Maximum	0.05 dB
Beam Block Isolation	greater than 90 dB
Beam Block Speed	less than 20 ms
Recalibration Period Recommended	2 years
Host Shelf	MTA100
Control Cassette	MTA150
Alias Of	jdsu-mta300
Example Codes	MTAS7-1001FA1 MTAS7-1100NCN
Wavelength range	1200 to 1700 nm
Attenuation	Range: greater than 60 dB
Return loss	Maximum Spec Floor: greater than 57 dB

MTAS71001FA1 Specifications

PARAMETER	VALUE
JDS Uniphase MTAS7 MTA300 Attenuator Ordering Alias	Overview
Applications	Same as MTA300 channel attenuation in MTA shelves where inventory encodes an MTAS7 configuration string.
Key Features	Etalon-free MTA300 optics
Technical Specifications	Base Model: JDS Uniphase MTA300

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	
Base Model: JDS Uniphase MTA300	
Ordering Prefix: MTAS7	
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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.