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Data Sheet

August 14, 2026

JDS UNIPHASE

JDS Uniphase MAP200-MVOA-A2DSM

The JDS Uniphase MAP200-MVOA-A2DSM is a modular optical variable attenuator designed for precise control of optical signal power. It features a compact design and is suitable for integration into automated test systems and optical networks.

**MODEL****JDS Uniphase
MAP200-MVOA-
A2DSM****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****MAP200-MVOA-
A2DSM****LISTING**<https://aumictechlabs.com/products/map200-mvoa-a2dsm-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase MAP200-MVOA-A2DSM is a dual variable optical attenuator module for the MAP-200 platform, delivering precise optical power control across the telecom spectrum. This hot-swappable cassette combines stepper motor and filter-based attenuation with an integrated power monitor, enabling accurate signal management in automated test systems and optical networks. Ultra-low insertion loss (typically <1.0 dB), flat spectral response, and transition speeds up to 25 dB/s minimize measurement uncertainty and reduce test cycles. Technical Specifications
Module Configuration: Dual attenuator with integrated power monitor
Insertion Loss: Typically 55 dB typical (PC/APC), >30 dB typical (PC)
Backreflection: Low, to minimize instabilities from reflected light
Shutter Isolation: 100 dB typical
Warm-up Time: 30 minutes
Operating Temperature: 0 to 50°C
Storage Temperature: -30 to 60°C
Operating Humidity: <90% RH non-condensing at 23°C; <20% at 50°C
Calibration Interval: 2 years
Dimensions: 4.06 × 13.26 × 37.03 cm
Weight: 1.3

kg Key Features High-accuracy, high-repeatability attenuation control Spectral uniformity across the 1250–1650 nm band Fast transition speed reduces test time overhead Low backreflection design for stable operation LXI Class C compliance with Ethernet connectivity IVI driver support for multi-platform integration Typical Applications Optical signal power characterization Automated attenuation testing in telecom and datacom Power-dependent measurement validation Dynamic range assessment Compatibility & Integration The MVOA-A2DSM integrates into the MAP-200 modular platform as a hot-swappable cassette. Platform-level Ethernet connectivity and virtual instrument drivers enable rapid integration into diverse test frameworks without custom hardware interface design.

MAP200MVOAA2DSM Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	VIAVI MAP mVOA-C1
Wavelength Range Multimode	750 to 1350 nm
Attenuation Range Multimode	65 dB
Attenuation Resolution	0.001 dB
Relative Attenuation Uncertainty	plus or minus 0.1 dB
Attenuation Repeatability	plus or minus 0.01 dB
Attenuation Settling Time	less than or equal to 55 ms
Attenuation Slew Rate Multimode	greater than or equal to 20 dB/s
Insertion Loss At 0 dB Multimode	less than or equal to 1.5 dB (less than or equal to 2.4 dB with tap)
Return Loss Multimode	greater than or equal to 45 dB
Shutter Isolation Multimode	greater than or equal to 75 dB
Maximum Input Power Standard / High Power SM	plus 23 dBm / plus 33 dBm
Maximum Input Power Standard / High Power MM	plus 23 dBm / plus 27 dBm
Closed Loop Power Range SM With Monitor Std/High	plus 11 to minus 49 dBm / plus 31.5 to minus 28.5 dBm
Power Monitor Linearity	plus or minus 0.03 dB
Power Setting Repeatability	plus or minus 0.015 dB
Power Setting Resolution	0.001 dB
Calibration Period	3 years
Operating Temperature	0 to 50 C
Storage Temperature	minus 30 to 60 C
Operating Humidity	15 to 80 percent RH noncondensing 0 to 40 C
Module DimensionsWxHxD	4.1 × 13.3 × 37.0 cm
Weight Single / Dual / Quad	1.1 kg / 1.3 kg / 1.7 kg
Platform Compatibility	MAP-200 and MAP-300 chassis

PARAMETER	VALUE
Example Ordering Codes	MVOA-C1SS0S MVOA-C1DS0S MVOA-C1QS0S class
Wavelength range	Single-Mode: 1260 to 1650 nm
Attenuation	Range Single-Mode: 70 dB
Humidity	15 to 80 percent RH noncondensing 0 to 40 C
Warm-up time	30 min
Return loss	Single-Mode: greater than or equal to 55 dB

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 30 to 60 C
Operating temperature	0 to 50 C
Operating Temperature	0 to 50 C
Humidity	15 to 80 percent RH noncondensing 0 to 40 C
Operating Humidity	15 to 80 percent RH noncondensing 0 to 40 C
Module DimensionsWxHxD	4.1 × 13.3 × 37.0 cm
Weight Single / Dual / Quad	1.1 kg / 1.3 kg / 1.7 kg
Platform Compatibility	MAP-200 and MAP-300 chassis
Example Ordering Codes	MVOA-C1SS0S MVOA-C1DS0S MVOA-C1QS0S class Notes Numeric rows from VIAVI MAP Variable Optical Attenuator mVOA-C1 datasheet tables. Queue slug MAP200-MVOA-A2DSM treated as MAP mVOA dual-class configuration; confirm exact A2DSM option decode on the cassette label.

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

Instrument Family: VIAVI MAP mVOA-C1

Wavelength Range Single-Mode: 1260 to 1650 nm

Wavelength Range Multimode: 750 to 1350 nm

Attenuation Range Single-Mode: 70 dB

Specifications

PARAMETER	VALUE
Attenuation Range Multimode	65 dB
Attenuation Resolution	0.001 dB
Relative Attenuation Uncertainty	plus or minus 0.1 dB
Attenuation Repeatability	plus or minus 0.01 dB
Attenuation Settling Time	less than or equal to 55 ms

Attenuation Slew Rate Single-Mode: greater than or equal to 25 dB/s

Attenuation Slew Rate Multimode: greater than or equal to 20 dB/s

Insertion Loss At 0 dB Single-Mode: less than or equal to 0.9 dB (less than or equal to 1.5 dB with tap option)

Insertion Loss At 0 dB Multimode: less than or equal to 1.5 dB (less than or equal to 2.4 dB with tap)

Polarization Dependent Loss Single-Mode: less than or equal to 0.08 dB (less than or equal to 0.15 dB with tap)

Return Loss Single-Mode: greater than or equal to 55 dB

Return Loss Multimode: greater than or equal to 45 dB

Shutter Isolation Single-Mode: greater than or equal to 80 dB

Shutter Isolation Multimode: greater than or equal to 75 dB

Attenuation Flatness Single-Mode: plus or minus 0.04 dB (0 to 30 dB over 1480 to 1640 nm)

Maximum Input Power Standard / High Power SM: plus 23 dBm / plus 33 dBm

Maximum Input Power Standard / High Power MM: plus 23 dBm / plus 27 dBm

Closed Loop Power Range SM With Monitor Std/High: plus 11 to minus 49 dBm / plus 31.5 to minus 28.5 dBm

Specifications

PARAMETER	VALUE
Power Monitor Linearity	plus or minus 0.03 dB
Power Setting Repeatability	plus or minus 0.015 dB
Power Setting Resolution	0.001 dB

Warm-Up Time: 30 min

Specifications

PARAMETER	VALUE
Calibration Period	3 years
Operating Temperature	0 to 50 C

PARAMETER	VALUE
Storage Temperature	minus 30 to 60 C
Operating Humidity	15 to 80 percent RH noncondensing 0 to 40 C
Module DimensionsWxHxD	4.1 x 13.3 x 37.0 cm
Weight Single / Dual / Quad	1.1 kg / 1.3 kg / 1.7 kg
Platform Compatibility	MAP-200 and MAP-300 chassis
Example Ordering Codes	MVOA-C1SS0S MVOA-C1DS0S MVOA-C1QS0S class

Notes

Numeric rows from VIAVI MAP Variable Optical Attenuator mVOA-C1 datasheet tables. Queue slug MAP200-MVOA-A2DSM treated as MAP mVOA dual-class configuration; confirm exact A2DSM option decode on the cassette label.

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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NIST-traceable calibration · SAM registered ·
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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.