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Data Sheet

August 14, 2026

JDS UNIPHASE

JDS Uniphase MVOA-A2SS0

The JDS Uniphase MVOA-A2SS0 is a miniature variable optical attenuator (MVOA) designed for precise control of optical power levels in fiber optic systems. It features low insertion loss, high dynamic range, and fast response time, making it suitable for various applications, including transceiver testing, power equalization, and channel balancing.



MODEL

**JDS Uniphase
MVOA-A2SS0**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MVOA-A2SS0

LISTING

<https://aumictechlabs.com/products/mvoa-a2ss0-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase MVOA-A2SS0 is a miniature variable optical attenuator for precise optical power control in fiber optic systems. Deployed as a hot-pluggable cassette within the JDS Uniphase Multiple Application Platform (MAP) chassis, it delivers high-density test and measurement capability in laboratory and production environments. The stepper motor and filter-based design minimizes optical impairments while providing configurable fiber and connector options for system integration across diverse architectures. Technical Specifications Attenuation Range: 70 dB Attenuation Setting Resolution: 0.001 dB Attenuation Accuracy (0 to 45 dB): ± 0.1 dB Attenuation Repeatability: ± 0.01 dB Attenuation Flatness (0 to 30 dB): ± 0.04 dB Insertion Loss (minimum attenuation): 55 dB (typical) Shutter Isolation: > 100 dB (typical) Maximum Input Power: 200 mW (single-mode, standard); 500 mW (multi-mode, standard); 2 W (single-mode, high power option) Transition Speed: Up to 25 dB/s Spectral Uniformity: Outstanding Backreflection: Low Key

Features Configurable at order: base options include standard and high power variants; single attenuator configurations with optional integrated or external power monitoring Fiber Type Options: 9/125 μm , 50/125 μm , or 62.5/125 μm Connector Type Options: FC/PC, FC/APC, SC/PC, or SC/APC Form Factor: Hot-pluggable cassette for MAP chassis Compliance: CE, CSA/UL/IEC61010-1, and LXI Class C (when installed in MAP chassis) Typical Applications Transmitter dispersion and eye mask testing Receiver sensitivity testing EDFA noise figure and gain flatness testing Power meter calibration Loss simulation Transceiver testing Power equalization Channel balancing Compatibility & Integration Designed exclusively for operation within the JDS Uniphase Multiple Application Platform (MAP) chassis. Supports automation when used with the MAP-200 platform.

Features & description

From manufacturer datasheet

Polarization Dependent Loss Single Mode: less than or equal to 0.08 dB

Return Loss Single Mode: greater than or equal to 55 dB Shutter Isolation Single Mode: greater than or equal to 80 dB Maximum Input Power Standard SM: plus 23 dBm Maximum Input Power High Power SM: plus 33 dBm Power Setting Resolution: 0.001 dB Power Monitor Linearity: plus or minus 0.03 dB Warm Up Time: 30 min Calibration Period: 3 years Operating Temperature: 0 to 50 C Platform Compatibility: MAP-200 and MAP-300 Alias Of: viavi-mvoa-c1 Series Family: VIAVI MAP mVOA Notes Alias of viavi-mvoa-c1 for queue configuration MVOA-A2SS0. Shared numeric table from VIAVI mVOA-C1 datasheet; confirm channel density fiber type and tap options on the cassette label.

MVOAA2SS0 Characteristics / Specifications

PARAMETER	VALUE
Base Family	VIAVI MAP mVOA-C1
Queue Code	MVOA-A2SS0
Wavelength Range Single Mode	1260 to 1650 nm
Attenuation Range Single Mode	70 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
Insertion Loss At 0 dB Single Mode	less than or equal to 0.9 dB
Polarization Dependent Loss Single Mode	less than or equal to 0.08 dB
Return Loss Single Mode	greater than or equal to 55 dB
Shutter Isolation Single Mode	greater than or equal to 80 dB
Maximum Input Power Standard SM	plus 23 dBm
Maximum Input Power High Power SM	plus 33 dBm
Power Setting Resolution	0.001 dB
Power Monitor Linearity	plus or minus 0.03 dB
Warm Up Time	30 min
Calibration Period	3 years
Operating Temperature	0 to 50 C
Platform Compatibility	MAP-200 and MAP-300
Alias Of	viavi-mvoa-c1
Series Family	VIAVI MAP mVOA
Wavelength range	Single Mode: 1260 to 1650 nm
Attenuation	Range Single Mode: 70 dB

PARAMETER	VALUE
Return loss	Single Mode: greater than or equal to 55 dB

MVOAA2SS0 Specifications

PARAMETER	VALUE
Applications	Same as MAP mVOA amplifier characterization and high-bit-rate receiver sensitivity testing where inventory encodes MVOA-A2SS0.
Shutter isolation for beam blocking	0.001 dB attenuation resolution
Technical Specifications	Base Family: VIAVI MAP mVOA-C1

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 50 C
Operating Temperature	0 to 50 C
Platform Compatibility	MAP-200 and MAP-300
Alias Of	viavi-mvoa-c1
Series Family	VIAVI MAP mVOA Notes Alias of viavi-mvoa-c1 for queue configuration MVOA-A2SS0. Shared numeric table from VIAVI mVOA-C1 datasheet; confirm channel density fiber type and tap options 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	
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Notes	
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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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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.