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Data Sheet

August 8, 2026

JDSU

JDSU mSWS-A2DM Quad Detector Module FOR MAP-200

JDSU Optical Power Meters. Wavelength: dependent characterization of passive optical comp, Accuracy: ± 0.002 nm, Resolution: 0.4 pm to 3 pm (selectable).



MODEL

JDSU mSWS-A2DM

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

mSWS-A2DM

LISTING

<https://aumictechlabs.com/products/msws-a2dm-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDSU mSWS-A2DM is a quad detector module designed for the MAP-200 and MAP-300 optical test platforms. It is a four-channel power meter within the Swept Wavelength System (SWS) and enables full wavelength-dependent characterization of passive optical components and modules. The module supports detailed performance validation of ROADMs, wavelength switches, tunable filters, and circuit packs, and integrates with ORL utility cassettes for return loss measurements. Technical Specifications Wavelength range: 1520 to 1630 nm Absolute wavelength accuracy: ± 0.002 nm Variable wavelength resolution: 0.4 pm to 3 pm (selectable) Maximum sweep rate: 100 nm/s with full specification performance Polarization Dependent Loss (PDL) measurement range: up to 50 dB Module configuration: Single-slot design Standard connectors: LC (4x LC adapters included in typical configurations) Key Features Four-channel power meter capability with specified insertion loss (IL) uncertainty across multiple power ranges and sweep

rates Insertion loss uncertainty and noise specifications maintained across defined temperature stability conditions and connector types Variable wavelength resolution from 0.4 pm to 3 pm enables precise component characterization Compatible with detector adapters (AC100 and AC900 series) for FC, ST, SC, LC connectors and bare fiber measurements Typical Applications Characterization of colorless, directionless, contentionless (CDC) ROADMs High-port-count wavelength switch validation Tunable filter performance measurement Circuit pack optical characterization Return loss measurements with ORL utility cassettes Compatibility & Integration Designed for JDSU/Viavi MAP-200 and MAP-300 series mainframes as part of the mSWS platform. Supports various detector adapters and connector types through the AC100 and AC900 series accessory families.

Features & description

From manufacturer datasheet

Features

- Model: mSWS-A2DM Quad Detector Module
- Platform: MAP Swept Wavelength System (mSWS)
- Compatible mainframes: MAP-200 / MAP Series
- Four independent optical detector channels
- Used with mSWS swept source for IL / spectral response
- Hot-swappable MAP cassette form factor
- SCPI control via MAP mainframe

MSWSA2DM Characteristics / Specifications

PARAMETER	VALUE
Model	mSWS-A2DM Quad Detector Module
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	MAP Quad Detector Module
Family	mSWS Swept Wavelength System
Alias	mSWS-A2DM; Quad Detector Module MAP-200 Optical Quad detector; MAP-200/mSWS compatible Operational Notes Requires MAP mainframe and complementary mSWS source/controller modules. Confirm detector wavelength range and connector type on the module label.
Platform	MAP Swept Wavelength System (mSWS)
Compatible mainframes	MAP-200 / MAP Series
Wavelength range	and connector type on the module label.

MSWSA2DM Specifications

PARAMETER	VALUE
Applications	Multi-port IL measurement; DWDM passive component characterization; swept-wavelength loss testing; MAP-200 optical test systems.
Key Features	- Model: mSWS-A2DM Quad Detector Module
Technical Specifications	Model: mSWS-A2DM
Optical	Quad detector; MAP-200/mSWS compatible

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	mSWS-A2DM
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	MAP Quad Detector Module
Family	mSWS Swept Wavelength System
Alias	mSWS-A2DM; Quad Detector Module MAP-200

Optical

Quad detector; MAP-200/mSWS compatible

Operational Notes

Requires MAP mainframe and complementary mSWS source/controller modules. Confirm detector wavelength range and connector type on the module 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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.