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Data Sheet

August 14, 2026

JDS UNIPHASE

JDS Uniphase MAPM+1P2

The JDS Uniphase MAPM+1P2 is a precision optical power meter module engineered for integration into the JDS Uniphase MAP-220 series platform. This single-input detector cassette delivers accurate optical power measurements across the 750 nm to 1700 nm wavelength range, making it essential for characterizing fiber-optic components and systems in both single-mode and multimode applications. Compatible with MAP-220C (2U, two-slot), MAP-230B (three-slot), and MAP-280 (eight-slot) chassis Low polarization dependent loss for reliable measurements across all input states Aumictech offers NIST-traceable calibration and repair for the JDS Uniphase MAPM+1P2. Calibration covers detector responsivity at 850, 1310, 1490, 1550, and 1625 nm, absolute power accuracy, linearity across the full dynamic range, and reference power level. All calibrations ship with a NIST-traceable certificate. Turnaround



MODEL

**JDS Uniphase
MAPM+1P2**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MAPM+1P2

LISTING

<https://aumictechlabs.com/products/mapm-1p2-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase MAPM+1P2 is a precision optical power meter module engineered for integration into the JDS Uniphase MAP-220 series platform. This single-input detector cassette delivers accurate optical power measurements across the 750 nm to 1700 nm wavelength range, making it essential for characterizing fiber-optic components and systems in both single-mode and multimode applications. Technical Specifications Detector Technology: InGaAs detectors

optimized for SM and MM fiber Wavelength Range: 750 nm to 1700 nm Measurement Range (General Purpose): -70 dBm to +10 dBm Measurement Range (Thermally Stabilized): -80 dBm to +10 dBm Measurement Range (High Power Grade): up to +27 dBm Sampling Rate: Up to 250 kHz Polarization Dependent Loss: Extremely low PDL Accuracy & Linearity: High accuracy with high linearity performance Key Features Hot-swappable cassette design for field replacement without system shutdown Single input configuration (1P2 designation) Compatible with MAP-220C (2U, two-slot), MAP-230B (three-slot), and MAP-280 (eight-slot) chassis LXI-compliant interface with optional GPIB Ethernet connectivity for remote operation Low polarization dependent loss for reliable measurements across all input states Typical Applications Optical power measurement and characterization across the near-infrared spectrum Component testing in wavelengths from 750 nm to 1700 nm System validation across general-purpose to high-power measurement scenarios Multi-wavelength optical network validation Compatibility & Integration Designed for the JDS Uniphase MAP-200 series platform ecosystem. Fully compatible with MAP-220C, MAP-230B, and MAP-280 chassis. Operates on 100-125 V AC or 200-240 V AC (50/60 Hz) via compatible power-supply modules. Supports JDSU MAP Series software for advanced data analysis. Works alongside light sources, switches, attenuators, and other MAP-200 modules.

Features & description

From manufacturer datasheet

High Power Detector: Filtered 2 mm InGaAs; 800 to 1635 nm; plus 27 to minus 45 dBm

Uncertainty At Reference GP 1510-1600 nm: plus or minus 2.4 percent Uncertainty At Reference Premium/Ultra 1510-1600 nm: plus or minus 2.3 percent Linearity At 23 plus or minus 5 C GP: plus or minus 0.010 dB plus or minus 5 pW Linearity Premium: plus or minus 0.010 dB plus or minus 1 pW Sampling Time: 4 us (250 kHz) Averaging Time: 20 us to 5 s Buffer Size Per Channel: 100000 points Return Loss Typical: greater than 55 dB Module DimensionsWxHxD: 4.06 × 13.26 × 37.03 cm Module Weight: 1.2 kg Warm Up Time: 30 min Recalibration Period: 1 year Platform Compatibility: MAP-200 and MAP-300 Notes From VIAVI Optical Power Meter mOPM-C1 datasheet specification tables. Queue MAPM+1P2 isaone-channel MAP optical power meter cassette; confirm detector grade on the faceplate.

MAPM1P2 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	VIAVI / JDSU MAP mOPM
Queue Code	MAPM+1P2
Channels Panel Mount Class	1
Detector Grades	General Purpose Premium Ultra High Power InGaAs; Silicon option
General Purpose Detector	2 mm InGaAs; 800 to 1650 nm; plus 11 to minus 70 dBm
Premium Detector	3 mm TEC InGaAs; 750 to 1700 nm; plus 11 to minus 80 dBm
Ultra Detector	3 mm TEC InGaAs; 750 to 1700 nm; plus 11 to minus 100 dBm panel mount
High Power Detector	Filtered 2 mm InGaAs; 800 to 1635 nm; plus 27 to minus 45 dBm
Linearity At 23 plus or minus 5 C GP	plus or minus 0.010 dB plus or minus 5 pW
Linearity Premium	plus or minus 0.010 dB plus or minus 1 pW
Sampling Time	4 us (250 kHz)
Averaging Time	20 us to 5 s
Buffer Size Per Channel	100000 points
Return Loss Typical	greater than 55 dB
Module DimensionsWxHxD	4.06 × 13.26 × 37.03 cm
Module Weight	1.2 kg
Warm Up Time	30 min
Recalibration Period	1 year
Platform Compatibility	MAP-200 and MAP-300
Return loss	Typical: greater than 55 dB

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.

performance grades plus silicon option
Panel-mount or remote detector heads
250 kHz sampling with 100000 point buffers
OPMscope super application support
One-channel cassette configuration class for +1P2

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Instrument Family	VIAVI / JDSU MAP mOPM
Queue Code	MAPM+1P2
Channels Panel Mount Class	1
Detector Grades	General Purpose Premium Ultra High Power InGaAs; Silicon option
General Purpose Detector	2 mm InGaAs; 800 to 1650 nm; plus 11 to minus 70 dBm
Premium Detector	3 mm TEC InGaAs; 750 to 1700 nm; plus 11 to minus 80 dBm
Ultra Detector	3 mm TEC InGaAs; 750 to 1700 nm; plus 11 to minus 100 dBm panel mount
High Power Detector	Filtered 2 mm InGaAs; 800 to 1635 nm; plus 27 to minus 45 dBm

Uncertainty At Reference GP 1510-1600 nm: plus or minus 2.4 percent
Uncertainty At Reference Premium/Ultra 1510-1600 nm: plus or minus 2.3 percent
Linearity At 23 plus or minus 5 C GP: plus or minus 0.010 dB plus or minus 5 pW

Specifications

PARAMETER	VALUE
Linearity Premium	plus or minus 0.010 dB plus or minus 1 pW
Sampling Time	4 us (250 kHz)
Averaging Time	20 us to 5 s
Buffer Size Per Channel	100000 points
Return Loss Typical	greater than 55 dB
Module DimensionsWxHxD	4.06 x 13.26 x 37.03 cm
Module Weight	1.2 kg
Warm Up Time	30 min
Recalibration Period	1 year
Platform Compatibility	MAP-200 and MAP-300

Notes

From VIAVI Optical Power Meter mOPM-C1 datasheet specification tables. Queue MAPM+1P2 isaone-channel MAP optical power meter cassette; confirm detector grade on the faceplate.

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.