

**Aumictech**

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Data Sheet

August 14, 2026

JDS UNIPHASE

JDS Uniphase MAPM+2PS11

The JDS Uniphase MAPM+2PS11 is a polarization scrambler module designed for the MAP-200 platform. It is used to randomize the polarization state of light in optical fiber systems, which helps to reduce polarization-dependent effects and improve the performance of optical communication networks and test setups. This module is essential for accurate and reliable testing and measurement of optical components and systems.



MODEL

**JDS Uniphase
MAPM+2PS11**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MAPM+2PS11

LISTING

<https://aumictechlabs.com/products/mapm-2ps11-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase MAPM+2PS11 is a specialized optical component designed for precision photonics applications. This module integrates amplification and power supply functionality to deliver stable performance in demanding laboratory and production environments. The unit combines modular architecture with integrated power delivery, making it suitable for systems requiring compact form factor and reliable signal conditioning. Technical Specifications The MAPM+2PS11 incorporates dual power supply channels integrated into a single chassis. The module works with direct integration into existing optical benches and test systems without requiring external auxiliary equipment. Key Features Integrated dual power supply architecture Modular design for flexible system integration Compact form factor suitable for space-constrained applications Direct connector compatibility with standard optical platforms Typical

Applications This module serves applications in optical signal amplification, laboratory testing environments, and photonic system validation where integrated power delivery and signal conditioning are required simultaneously. **Compatibility & Integration** The MAPM+2PS11 is compatible with JDS Uniphase optical component families and standard photonics test equipment configurations. Installation follows conventional optical module mounting procedures without requiring specialized adapters or additional interface boards.

Features & description

From manufacturer datasheet

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

Silicon Detector Wavelength / Range: 800 to 1000 nm; plus 10 to minus 90 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 Linearity Ultra: plus or minus 0.010 dB plus or minus 0.1 pW Linearity High Power Minus 45 To Plus 10 dBm: plus or minus 0.010 dB plus or minus 100 pW Linearity High Power Plus 10 To Plus 27 dBm: plus or minus 0.03 dB Noise Peak To Peak GP / Premium / Ultra / HP: 2 pW / 1 pW / less than 0.1 pW / 50 pW Relative Uncertainty Due To Polarization GP / Premium / Ultra / HP: plus or minus 0.015 / 0.01 / 0.01 / 0.07 dB Return Loss Typical: greater than 55 dB Sampling Time: 4 us (250 kHz) Averaging Time: 20 us to 5 s Buffer Size Per Channel: 100000 points Channels Panel Mount: 1 2 or 4 Fiber Type: SMF and MMF NA 0.27 max core 62.5 um Supported Connectors Class: FC ST LC E2000 MU MTP or bare fiber Integrated Remote Head Dynamic Range Class: plus 33 to minus 55 dBm premium sphere Remote Head Cable Length: 1.4 m Module DimensionsWxHxD: 4.06 × 13.26 × 37.03 cm

MAPM2PS11 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	VIAVI MAP mOPM-C1
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
Silicon Detector Wavelength / Range	800 to 1000 nm; plus 10 to minus 90 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
Linearity Ultra	plus or minus 0.010 dB plus or minus 0.1 pW
Linearity High Power Minus 45 To Plus 10 dBm	plus or minus 0.010 dB plus or minus 100 pW
Linearity High Power Plus 10 To Plus 27 dBm	plus or minus 0.03 dB
Noise Peak To Peak GP / Premium / Ultra / HP	2 pW / 1 pW / less than 0.1 pW / 50 pW
Relative Uncertainty Due To Polarization GP / Premium / Ultra / HP	plus or minus 0.015 / 0.01 / 0.01 / 0.07 dB
Return Loss Typical	greater than 55 dB
Sampling Time	4 us (250 kHz)
Averaging Time	20 us to 5 s
Buffer Size Per Channel	100000 points
Channels Panel Mount	1 2 or 4
Fiber Type	SMF and MMF NA 0.27 max core 62.5 um
Supported Connectors Class	FC ST LC E2000 MU MTP or bare fiber
Integrated Remote Head Dynamic Range Class	plus 33 to minus 55 dBm premium sphere

PARAMETER	VALUE
Remote Head Cable Length	1.4 m
Module DimensionsWxHxD	4.06 × 13.26 × 37.03 cm
Module Weight	1.2 kg
Recalibration Period	1 year
Operating Temperature GP/Premium/HP	5 to 40 C
Operating Temperature Ultra	5 to 33 C
Humidity	15 to 80 percent RH non-condensing
Platform Compatibility	MAP-200 and MAP-300
Operating temperature	GP/Premium/HP: 5 to 40 C
Warm-up time	30 min
Return loss	Typical: greater than 55 dB

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	GP/Premium/HP: 5 to 40 C
Operating Temperature	GP/Premium/HP: 5 to 40 C
Humidity	15 to 80 percent RH non-condensing
Operating Temperature GP/Premium/HP	5 to 40 C
Operating Temperature Ultra	5 to 33 C
Platform Compatibility	MAP-200 and MAP-300 Notes From VIAVI Optical Power Meter mOPM-C1 datasheet specification tables. MAPM+2PS11 isaMAP power-meter cassette configuration code; numeric performance from mOPM-C1 OEM tables. Confirm exact detector grade and channel count on the unit.

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
Integrating sphere remote heads to plus 33 dBm class

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Instrument Family	VIAVI MAP mOPM-C1
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High Power Detector	Filtered 2 mm InGaAs; 800 to 1635 nm; plus 27 to minus 45 dBm
Silicon Detector Wavelength / Range	800 to 1000 nm; plus 10 to minus 90 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
Linearity Ultra: plus or minus 0.010 dB plus or minus 0.1 pW
Linearity High Power Minus 45 To Plus 10 dBm: plus or minus 0.010 dB plus or minus 100 pW
Linearity High Power Plus 10 To Plus 27 dBm: plus or minus 0.03 dB
Noise Peak To Peak GP / Premium / Ultra / HP: 2 pW / 1 pW / less than 0.1 pW / 50 pW
Relative Uncertainty Due To Polarization GP / Premium / Ultra / HP: plus or minus 0.015 / 0.01 / 0.01 / 0.07 dB

Specifications

PARAMETER	VALUE
Return Loss Typical	greater than 55 dB
Sampling Time	4 us (250 kHz)
Averaging Time	20 us to 5 s
Buffer Size Per Channel	100000 points
Channels Panel Mount	1 2 or 4
Fiber Type	SMF and MMF NA 0.27 max core 62.5 um
Supported Connectors Class	FC ST LC E2000 MU MTP or bare fiber

PARAMETER	VALUE
Integrated Remote Head Dynamic Range Class	plus 33 to minus 55 dBm premium sphere
Remote Head Cable Length	1.4 m
Module DimensionsWxHxD	4.06 x 13.26 x 37.03 cm
Module Weight	1.2 kg

Warm-Up Time: 30 min

Specifications

PARAMETER	VALUE
Recalibration Period	1 year
Operating Temperature GP/Premium/HP	5 to 40 C
Operating Temperature Ultra	5 to 33 C
Humidity	15 to 80 percent RH non-condensing
Platform Compatibility	MAP-200 and MAP-300

Notes
From VIAVI Optical Power Meter mOPM-C1 datasheet specification tables. MAPM+2PS11 isaMAP power-meter cassette configuration code; numeric performance from mOPM-C1 OEM tables. Confirm exact detector grade and channel count on the unit.

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.