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Data Sheet

August 14, 2026

JDS UNIPHASE

JDS Uniphase mOPM-C1

The JDS Uniphase mOPM-C1 is a modular optical power meter cassette engineered for integration into VIAVI Solutions MAP chassis platforms. It delivers flexible single-, dual-, or quad-channel configurations in panel-mount or remote-head formats, supporting both single-mode and multimode fiber across diverse wavelength bands. Built on InGaAs detector technology with optional Silicon variants, the mOPM-C1 provides dynamic ranges up to 110 dB with exceptional accuracy, linearity, and polarization performance. Multiple performance grades General Purpose, Premium, Ultra, and High-Power - accommodate measurement scenarios from ultra-low power detection to high-power applications. Silicon detectors: 800 nm to 1000 nm (variants) Performance Grades & Measurement Ranges 3mm InGaAs Premium Performance: -80 dBm to +11 dBm; 750 nm to 1700 nm; PDL < ±0.01 dB



MODEL

**JDS Uniphase
mOPM-C1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

mOPM-C1

LISTING

<https://aumictechlabs.com/products/mopm-c1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase mOPM-C1 is a modular optical power meter cassette engineered for integration into VIAVI Solutions MAP chassis platforms. It delivers flexible single-, dual-, or quad-channel configurations in panel-mount or remote-head formats, supporting both single-mode and multimode fiber across diverse wavelength bands. Built on InGaAs detector technology with optional Silicon variants, the mOPM-C1 provides dynamic ranges up to 110 dB with exceptional

accuracy, linearity, and polarization performance. Multiple performance grades General Purpose, Premium, Ultra, and High-Power - accommodate measurement scenarios from ultra-low power detection to high-power applications. Technical Specifications Detector Technology InGaAs detectors (primary option) Silicon detectors: 800 nm to 1000 nm (variants) Performance Grades & Measurement Ranges 2mm InGaAs General Purpose: -70 dBm to +11 dBm; 800 nm to 1650 nm 3mm InGaAs Premium Performance: -80 dBm to +11 dBm; 750 nm to 1700 nm; PDL < ± 0.01 dB 3mm InGaAs Ultra Performance: -110 dBm to +11 dBm; 750 nm to 1700 nm; panel-mount only Filtered 2mm InGaAs High Power: -45 dBm to +27 dBm; 800 nm to 1650 nm Dynamic Range General Purpose & Premium: 90 dB Ultra Performance: 110 dB Data Acquisition Sampling rate: 250 kHz Data storage: 100,000 points per channel Polarization Performance PDL (Premium & General Purpose grades): < ± 0.015 dB PDL (Ultra Performance grade): < ± 0.01 dB Key Features thermal stabilization across extended wavelength ranges Single-cassette support for 1, 2, or 4 independent channels Panel-mount and remote-head detector mounting options High-power measurement capability to +27 dBm (filtered variants) Ultra-low power sensitivity to -110 dBm (Ultra Performance grade) Typical Applications Fiber characterization, optical link commissioning, component testing, and real-time power monitoring in test systems requiring multi-channel measurement and extended dynamic range. Compatibility & Integration Designed as a modular cassette for VIAVI Solutions MAP platform integration. Supports SM and MM fiber configurations with detector options spanning 750 nm to 1700 nm (InGaAs) and 800 nm to 1000 nm (Silicon).

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

MOPMC1 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. Queue slug mOPM-C1; confirm detector grade and channel count on faceplate.

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
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

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. Queue slug mOPM-C1; confirm detector grade and channel count on 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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<https://aumictechlabs.com>

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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.