

**Aumictech**

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Data Sheet

August 15, 2026

JDS UNIPHASE

JDS Uniphase OAB141500+1FP1000000

The JDS Uniphase OAB141500+1FP1000000 is an optical transceiver module designed for high-speed data transmission in optical communication networks. As a product from JDS Uniphase (now Lumentum), it reflects the manufacturer's heritage in developing carrier-grade optical components for telecommunications and data center infrastructure. The module integrates advanced optical technologies to support signal integrity across demanding network architectures. Alignment with JDS Uniphase's dual parallel Mach-Zehnder modulator architecture principles Aumictech offers NIST-traceable calibration and repair for the JDS Uniphase OAB141500+1FP1000000. Calibration covers optical reference power levels, electrical signal amplitude calibration, protocol layer verification, and BER measurement floor validation. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1–3 business



MODEL

**JDS Uniphase
OAB141500+1FP1000000**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

OAB141500+1FP1000000

LISTING

<https://aumictechlabs.com/products/oab141500-1fp1000000-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase OAB141500+1FP1000000 is an optical transceiver module designed for high-speed data transmission in optical communication networks. As a product from JDS Uniphase (now Lumentum), it reflects the manufacturer's heritage in developing carrier-grade optical

components for telecommunications and data center infrastructure. The module integrates advanced optical technologies to support signal integrity across demanding network architectures.

Technical Specifications The OAB141500+1FP1000000 operates within optical communication bands typical of modern telecommunications systems. JDS Uniphase's product portfolio indicates support for data rates including 10 Gb/s and 40 Gb/s transmission. The transceiver likely employs Single-Mode Fiber (SMF-28) compatibility for long-distance propagation and leverages modulation techniques such as DQPSK for spectral efficiency in DWDM deployments.

Key Features Designed for high-speed optical data transmission in carrier-grade networks Integration with advanced modulation formats for spectrum-efficient operation Single-mode fiber compatibility for extended transmission distances Support for telecommunications-grade signal integrity Alignment with JDS Uniphase's dual parallel Mach-Zehnder modulator architecture principles

Typical Applications The OAB141500+1FP1000000 serves metro and long-haul optical transport networks. Data center backbone infrastructure and high-bandwidth enterprise connectivity represent primary deployment scenarios. The module is suitable for DWDM systems requiring advanced modulation and carrier-class reliability.

Compatibility & Integration Standard fiber optic connectors (LC, SC, or ST configurations) enable integration with installed optical infrastructure. The transceiver operates within established C-band and L-band wavelength windows common to modern optical communication systems. SMF-28 fiber compatibility ensures performance across standard telecommunications cabling.

OAB1415001FP1000000 Characteristics / Specifications

PARAMETER	VALUE
Model	OAB141500+1FP1000000
Base Amplifier	OAB1415
Instrument Type	Instrumentation erbium-doped fiber amplifier
Family	JDSU OAB series EDFA
Edfa Window	1528 to 1610 nm
Display	LCD input/output power and current control
Optical Interface Class	FC/PC, FC/APC, SC/PC, SC/APC
Packaging	half rack benchtop and 19-inch rack-mount kit class
Dimensions	21.2 × 8.9 × 35.5 cm (OAB series)
Weight	less than 4 kg (OAB series)
Operating Temperature	0 to 50 C (OAB series)
Storage Temperature	-40 to 70 C (OAB series)
Humidity	maximum 95 percent RH non-condensing from 0 to 45 C (OAB series)
Remote Class	RS-232 remote communication class on OAB instrumentation
Form Factor	half-rack EDFA
Manufacturer	JDS Uniphase / VIAVI
Use Case	instrumentation optical gain
Literature	JDSU OAB series EDFA datasheet and OAB141500 catalog identity
Related Ase	BNS1415 C-band ASE source
Documentation Type	OEM OAB EDFA catalog
Brand Lineage	JDS Uniphase VIAVI
System Role	instrumentation EDFA
Related 16 Dbm Class	OAB1415-16 catalog identity
Connector Code Class	1FP1000000 configuration string

OAB1415001FP1000000 Specifications

PARAMETER	VALUE
Applications	C-band optical gain for component, subsystem, and R&D EDFA-window tests.
Key Features	OAB1415 instrumentation EDFA
LCD input/output power	Half-rack 21.2 × 8.9 × 35.5 cm
Technical Specifications	Model: OAB141500+1FP1000000

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 to 70 C (OAB series)
Operating temperature	0 to 50 C (OAB series)
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Humidity	maximum 95 percent RH non-condensing from 0 to 45 C (OAB series)
Remote Class	RS-232 remote communication class on OAB instrumentation
Form Factor	half-rack EDFA
Manufacturer	JDS Uniphase / VIAVI
Use Case	instrumentation optical gain
Literature	JDSU OAB series EDFA datasheet and OAB141500 catalog identity
Related Ase	BNS1415 C-band ASE source
Documentation Type	OEM OAB EDFA catalog
Brand Lineage	JDS Uniphase VIAVI
System Role	instrumentation EDFA
Related 16 Dbm Class	OAB1415-16 catalog identity
Connector Code Class	1FP1000000 configuration string Notes From JDSU OAB series EDFA datasheet (1528-1610 nm, LCD, connectors, 21.2 × 8.9 × 35.5 cm, less than 4 kg, 0-50 C) applied to catalog identity OAB141500+1FP1000000. Saturated power, noise figure, and small-signal gain for this build are on the OAB141500 configuration sheet.

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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50 C) applied to catalog identity 0AB141500+1FP1000000. Saturated power, noise figure, and small-signal gain for this build are on the 0AB141500 configuration sheet.

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.