

**Aumictech**

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Data Sheet

August 15, 2026

JDS UNIPHASE

JDS Uniphase IA3

JDS Uniphase IA3 Optical Isolator Amplifier Module The JDS Uniphase IA3 is a compact optical isolator/amplifier module in the JDSU IA family used in MAP and benchtop EDFA/isolator chains. OEM IA3 listings place it as a fiber-pigtailed isolator-amplifier building block for 1550 nm class links, FC/APC or SC pigtails, and MAP-cassette or small-module packaging. Used to raise optical power while blocking back-reflections. Confirm wavelength band and gain on the installed IA3 label (C-band class). Inline optical isolation and gain in 1550 nm class MAP and benchtop fiber systems. The JDS Uniphase IA3 is a compact optical isolator/amplifier module in the JDSU IA family used in MAP and benchtop EDFA/isolator chains. OEM IA3 listings place it as a fiber-pigtailed isolator-amplifier building block for 1550 nm class links, FC/APC or SC pigtails, and MAP-cassette or small-module packaging. Used to raise optical power while blocking back-reflections. Confirm wavelength band and gain on the installed IA3 label (C-band class). Inline optical isolation and gain in 1550 nm class MAP and benchtop fiber systems.



MODEL

JDS Uniphase IA3

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

IA3

LISTING

<https://aumictechlabs.com/products/ia3-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase IA3 is a precision optical attenuator module designed for variable optical attenuation (VOA) in high-speed data communication systems. This compact cassette-type module integrates into the JDS Uniphase MAP (Modular Access Platform) chassis and delivers microprocessor-controlled attenuation across C-band and L-band wavelengths. The IA3 operates

without power tracking and communicates via I2C, SPI, or UART interfaces for seamless integration into automated optical transport networks. Technical Specifications Product Type: Precision Attenuator (Variable Optical Attenuator) Module Format: IA3 cassette for MAP chassis (6 mm high) Control Interface: Microprocessor-controlled via I2C, SPI, or UART Wavelength Support: C-band and L-band tunable laser compatible Backreflection: ≤ 60 dB Power Supply: 100–240 VAC, 50–60 Hz single-phase Optical Connectors: ST/UPC, FC/UPC, SC/UPC (other styles available by special order) Operating Temperature: -5 to 70°C (based on related TLA specifications) Key Features Hermetically sealed, compact design for space-constrained deployments Precise attenuation control without power tracking feedback Multi-protocol communication support for flexible system architecture Compatible with tunable lasers spanning 35 nm across 50 GHz channel spacing Modular integration within the MAP platform ecosystem Typical Applications Metro, long-haul (LH), and ultra long-haul (ULH) optical transport DWDM network sparing and redundancy Dynamic wavelength provisioning and load balancing High-speed networking environments requiring optical power management Compatibility & Integration The IA3 integrates directly into the JDS Uniphase MAP modular platform and operates with C-band and L-band tunable laser assemblies (TLAs). Designed for metro to ultra long-haul transport architectures, the module supports dynamic wavelength assignment in DWDM systems. Module connector interface follows Samtec FTS-120-03-F-DV-S or equivalent specifications.

Features & description

From manufacturer datasheet

Polarization Class: pigtailed fiber device

Host Class: MAP mainframe or benchtop bias Related Map: MAPB and MAPS cassettes in the same inventory Media Class: single-mode fiber Band Class: C-band Form Factor: compact optical module Control Class: bias/pump per IA3 overlay Notes From JDS Uniphase IA3 module listings (isolator-amplifier, 1550 nm C-band class, fiber pigtails, MAP/small-module package). Gain dB, NF, and Psat are on the IA3 label/datasheet; do not invent them.

IA3 Characteristics / Specifications

PARAMETER	VALUE
Model	IA3
Instrument Type	Optical isolator amplifier module
Family	JDS Uniphase IA
Wavelength Class	1550 nm C-band class
Function	isolation plus optical gain
Pigtail Class	FC/APC or SC class
Package Class	MAP cassette or small module
Manufacturer	JDS Uniphase / Viavi
Literature	JDSU IA3 module listings
Application Class	EDFA/isolator chains
System Role	inline isolator-amplifier
Use Case	MAP and benchtop fiber gain
Documentation Type	OEM IA3 listing
Brand Lineage	JDSU Viavi
Year Class	IA3 module
Connector Class	fiber pigtail
Isolation Class	optical isolator stage
Gain Class	amplifier stage (see label)
Polarization Class	pigtailed fiber device
Host Class	MAP mainframe or benchtop bias
Related Map	MAPB and MAPS cassettes in the same inventory
Media Class	single-mode fiber
Band Class	C-band
Form Factor	compact optical module
Control Class	bias/pump per IA3 overlay

IA3 Specifications

PARAMETER	VALUE
JDS Uniphase IA3 Optical Isolator Amplifier Module	Overview
Applications	Inline optical isolation and gain in 1550 nm class MAP and benchtop fiber systems.
Key Features	IA3 isolator-amplifier module
Technical Specifications	Model: IA3

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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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.