Aumictech
Test & measurement · bought, sold, repaired, calibrated

Data Sheet
August 1, 2026

JDS FITEL

JDS Fitel VA7503-FPL2 Varible optical attenuator

The JDS Fitel VA7503-FPL2 is a variable optical attenuator that delivers precise control of optical power levels in fiber optic communication systems. This adjustable attenuator optimizes signal strength and network performance through variable attenuation control, making it essential for test, measurement, and inspection workflows. Part of the Series 7000 product line, the VA7503-FPL2 combines reliability with the accuracy demanded by optical network professionals. Compatibility & Integration The VA7503-FPL2 interfaces with standard fiber optic optical ports typical of test and measurement equipment environments. It works with integration into fiber optic communication systems across industry-standard connector configurations. Aumictech offers NIST-traceable calibration and repair for the JDS Fitel VA7503-FPL2. Calibration covers attenuation accuracy at 5 or more set values across the

MODEL JDS Fitel VA7503-FPL2	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU VA7503-FPL2	LISTING https://aumictechlabs.com/products/va7503-fpl2-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Fitel VA7503-FPL2 is a variable optical attenuator that delivers precise control of optical power levels in fiber optic communication systems. This adjustable attenuator optimizes signal strength and network performance through variable attenuation control, making it essential for test, measurement, and inspection workflows. Part of the Series 7000 product line, the VA7503-FPL2 combines reliability with the accuracy demanded by optical network professionals.Technical

Specifications Product Type: Variable Optical Attenuator Model: VA7503-FPL2 Manufacturer: JDS Fitel Attenuation Control: Adjustable/Variable Design: Compact form factorKey Features Precise optical power level control Variable attenuation for signal optimization Compact design enabling field deployment Optimized for test and measurement environmentsTypical Applications Fiber optic communication system power management Optical signal optimization and characterization Test and measurement workflows Network inspection and commissioningCompatibility & Integration The VA7503-FPL2 interfaces with standard fiber optic optical ports typical of test and measurement equipment environments. It works with integration into fiber optic communication systems across industry-standard connector configurations.

Features & description

From manufacturer datasheet

Features

• Programmable variable optical attenuator (Series 7000 / VA7xxx) • Remote control via GPIB and RS-232 (family) • High attenuation range (50 / 60 / 100 dB class options in JDS programmable VOA families) • Fine resolution (0.01 dB class on related HA9 instruments) • Low insertion loss and high return loss configurations • Built-in beam block / infinite attenuation function on related programmable models • Front-panel optical bulkheads per FPL2 configuration

VA7503FPL2 Characteristics / Specifications

PARAMETER	VALUE
Model	VA7503-FPL2
Manufacturer	JDS Fitel (JDS Uniphase / VIAVI lineage)
Instrument Type	Programmable variable optical attenuator
Series	7000 (VA7xxx)
Connector / Config Suffix	FPL2 (fiber and return-loss option code; typically FC/PC-class bulkheads)
Operating Wavelength	1200 to 1700 nm
Attenuation Range	100 dB
Resolution	0.01 dB
Accuracy	about +/-0.1 dB
Repeatability	about +/-0.01 dB
Return Loss	greater than 45 dB (standard RL packaging)
Maximum Input Power	200 mW
Fiber	9/125 um single-mode
PDL	about 0.03 dB typical / 0.08 dB max (HA9 tables)
Remote	GPIB and RS-232 Standard Operating Conditions Do not exceed maximum optical input power. Clean connectors before mating. Allow warm-up before quoting absolute attenuation accuracy. Operational Notes Confirm wavelength band and attenuation range from the unit label–Series 7000 options vary. Spelling "Varible" in catalog titles means Variable. Related model HA9503-FPL2 is the HA9-series counterpart with published full tables; treat VA7503 electricals as confirmed only where labeled on the serial.
Attenuation	range (50 / 60 / 100 dB class options in JDS programmable VOA families) - Fine resolution (0.01 dB class on related HA9 instruments) - Low insertion loss and high return loss configurations - Built-in beam block / infinite attenuation function on rel

VA7503FPL2 Specifications

PARAMETER	VALUE
Key Features	- Programmable variable optical attenuator (Series 7000 / VA7xxx)
Technical Specifications	Model: VA7503-FPL2
Standard Operating Conditions	Do not exceed maximum optical input power. Clean connectors before mating. Allow warm-up before quoting absolute attenuation accuracy.

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 that describe the same generation of instrument-grade VOAs from the same manufacturer lineage.

Applications
Automated optical power leveling in ATE; bit-error-rate and receiver sensitivity testing; EDFA and transceiver characterization; laboratory optical power control with GPIB/RS-232.

Key Features
- Programmable variable optical attenuator (Series 7000 / VA7xxx)
- Remote control via GPIB and RS-232 (family)
- High attenuation range (50 / 60 / 100 dB class options in JDS programmable VOA families)
- Fine resolution (0.01 dB class on related HA9 instruments)
- Low insertion loss and high return loss configurations
- Built-in beam block / infinite attenuation function on related programmable models
- Front-panel optical bulkheads per FPL2 configuration

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	VA7503-FPL2
Manufacturer	JDS Fitel (JDS Uniphase / VIAVI lineage)
Instrument Type	Programmable variable optical attenuator
Series	7000 (VA7xxx)
Connector / Config Suffix	FPL2 (fiber and return-loss option code; typically FC/PC-class bulkheads)

Related HA9 Family Specs (HA9503-FPL2 class – use as generation reference; confirm on VA7503 faceplate)

Specifications

PARAMETER	VALUE
Operating Wavelength	1200 to 1700 nm
Attenuation Range	100 dB
Resolution	0.01 dB
Accuracy	about +/-0.1 dB
Repeatability	about +/-0.01 dB
Return Loss	greater than 45 dB (standard RL packaging)
Maximum Input Power	200 mW
Fiber	9/125 um single-mode
PDL	about 0.03 dB typical / 0.08 dB max (HA9 tables)
Remote	GPIB and RS-232

Standard Operating Conditions

Do not exceed maximum optical input power. Clean connectors before mating. Allow warm-up before quoting absolute attenuation accuracy.

Operational Notes

Confirm wavelength band and attenuation range from the unit label—Series 7000 options vary. Spelling "Varible" in catalog titles means Variable. Related model HA9503-FPL2 is the HA9-series counterpart with published full tables; treat VA7503 electricals as confirmed only where labeled on the serial.

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
788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
https://aumictechlabs.com

NIST-traceable calibration · SAM registered · 30-day returns
NAICS 423690 · 811210 · 541380
Generated August 1, 2026