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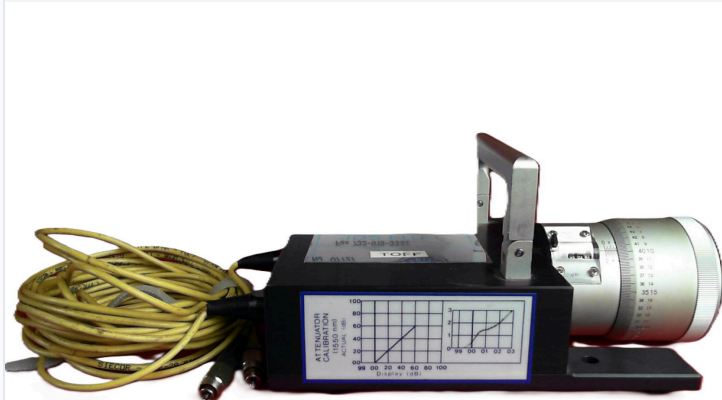
Data Sheet

August 15, 2026

JDS UNIPHASE

JDS Uniphase VA5505-NCL

The JDS Uniphase VA5505-NCL is a optical component engineered for telecommunications and fiber optic signal management. Manufactured by JDS Uniphase - now operating as Viavi Solutions - this device delivers precise optical signal control within modern telecommunications networks. The unit can maintain signal integrity across critical infrastructure requiring reliable optical component performance. Environmental operation spanning 0 to 50 °C with storage capability to -40 to 70 °C Aumictech offers NIST-traceable calibration and repair for the JDS Uniphase VA5505-NCL. Calibration covers attenuation accuracy at 5 or more set values across the full range (0 to rated maximum dB), attenuation linearity, wavelength-dependent attenuation at 1310 nm, 1490 nm, and 1550 nm, insertion loss at minimum attenuation (0 dB position), and polarization-dependent loss (PDL) where applicable. All calibrati



MODEL

**JDS Uniphase
VA5505-NCL**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

VA5505-NCL

LISTING

<https://aumictechlabs.com/products/va5505-ncl-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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component performance. Technical Specifications The VA5505-NCL integrates optical technologies consistent with JDS Uniphase's portfolio of broadband sources, laser systems, and test equipment. Operational parameters typical of comparable optical components in this product family include wavelength coverage across C-band (1525–1565 nm), L-band (1565–1610 nm), and extended C+L configurations. Optical power output levels span from milliwatt-range laser outputs to higher broadband source levels, with specifications aligned to applicable laser safety classifications. Key performance metrics include insertion loss characteristics critical for passive optical implementations, return loss and port isolation specifications (minimum 45 dB typical for comparable broadband sources), and spectral flatness for consistent optical output. Connector interfaces support standard fiber optic formats including FC/PC, FC/APC, SC/PC, and SC/APC configurations. Key Features optical signal management for telecommunications infrastructure Precise optical component integration for network applications Signal integrity maintenance across fiber optic systems Industry-standard optical connector compatibility Environmental operation spanning 0 to 50 °C with storage capability to –40 to 70 °C Available in rack-mount configurations (half-rack and 19-inch formats) Typical Applications Fiber optic telecommunications systems Optical network signal management Test and measurement instrumentation Critical signal distribution networks Compatibility & Integration The VA5505-NCL integrates with standard optical network infrastructure utilizing common connector types and operates within established telecommunications wavelength bands. Physical dimensions accommodate standard rack integration for network operations centers and test facilities.

VA5505NCL Characteristics / Specifications

PARAMETER	VALUE
Model	VA5505
Instrument Type	Precision variable optical attenuator
Series Family	JDSU VA5 Series
Attenuation Range Class	50 to 70 dB
Typical Listed Range Example	0 to 60 dB on VA5B literature
Calibration Wavelengths	830 or 1300 or 1550 nm
Return Loss Sm Analog Typical	60 dB
Technology	ultra linear attenuator prism and microlens
Control	micrometer high resolution
Fiber Types	single mode and multimode versions
Display	electronic display on VA5 family units
Spectral Ripple Sm Analog	low ripple for CATV AM systems
Form Factor	benchtop precision attenuator
Use Case	field system testing and lab development
Optical Interface Class	FC PC and other connector options
Pigtail Configurations	available on VA5 family
Maximum Optical Power Class	per connector and fiber type on certificate
Repeatability Class	high micrometer repeatability
Insertion Loss Class	low IL prism design
Operating Temperature Class	0 C to 40 C lab
Manufacturer	JDS Uniphase / JDS Fitel
Configuration Example	VA5505-NCL
Related Models	VA5503 VA5B family
Attenuation	Range Class: 50 to 70 dB
Operating temperature	Class: 0 C to 40 C lab

PARAMETER	VALUE
Return loss	Sm Analog Typical: 60 dB
Fiber type	on certificate

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 C to 40 C lab
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Operating Temperature Class	0 C to 40 C lab
Manufacturer	JDS Uniphase / JDS Fitel
Configuration Example	VA5505-NCL
Related Models	VA5503 VA5B family Notes Attenuation class, calibration wavelengths, and 60 dB SM return loss from JDSU VA5/VA5B precision attenuator OEM literature. Exact IL and max power are configuration-specific on the unit certificate.

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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Notes	
Attenuation class, calibration wavelengths, and 60 dB SM return loss from JDSU VA5/VA5B precision attenuator OEM literature. Exact IL and max power are configuration-specific on the unit certificate.	

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.