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Data Sheet

August 15, 2026

JDS UNIPHASE

JDS Uniphase TB9226-1FA1

JDS Uniphase Optical Attenuators. Wavelength: selective filtering across the C-band and extended, Wavelength: dependent component behavior. Grating-based filter.



MODEL

**JDS Uniphase
TB9226-1FA1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

TB9226-1FA1

LISTING

<https://aumictechlabs.com/products/tb9226-1fa1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase TB9226-1FA1 is a tunable grating filter engineered for precision optical testing in telecommunications and fiber-based component characterization. This device delivers wavelength-selective filtering across the C-band and extended ranges, enabling suppression of spontaneous emission, ASE filtering in EDFAs, and measurement of wavelength-dependent component behavior. Grating-based filtering provides superior wavelength isolation roll-off compared to Fabry-Perot or interference filter alternatives, making it suitable for both laboratory and production test environments. Technical Specifications Tuning Range: 1530–1570 nm (C-band); 1460–1575 nm; 1525–1625 nm Bandwidth (FWHM): 0.22 nm typ. –3 dB Bandwidth: 0.22 nm (±15%) –20 dB Bandwidth: 0.6 nm (±15%) Insertion Loss: < 6.0 dB Polarization Dependent Loss: 45 dB Wavelength Resolution: 0.01 nm Wavelength Repeatability: 0.05 nm Warm-up Time: 1 hour Fiber Connectors: FC/APC (single-mode) Key Features Front panel keypad control with GPIB (IEEE 488) and RS232 interfaces Narrow passband enables selective wavelength extraction and spontaneous emission rejection Fiber-coupled input and output for integration into test systems

CE compliant; meets UL3101-1 and CAN/CSA-C22.2 No. 1010.1 Typical Applications Spontaneous emission suppression in optical subsystems ASE filtering in EDFA testing DFB and tunable laser characterization WDM and DWDM component verification production testing of single-mode fiber devices Compatibility & Integration Designed for single-mode fiber applications. Standard programming via GPIB or RS232 enables integration into automated test platforms and manual control via front-panel interface.

TB92261FA1 Characteristics / Specifications

PARAMETER	VALUE
Model	TB9226
Catalog Configuration	TB9226+1FA1
Instrument Type	Tunable grating optical filter
Family Tuning Range	1525 to 1625 nm
Configuration Tuning Range	1530 to 1570 nm on TB9226+1FA1
Wavelength Resolution	0.01 nm
Insertion Loss	less than 5.0 dB on TB9226+1FA1
Bandwidth 3 Db	0.22 nm at -3 dB
Bandwidth 20 Db	0.6 nm at -20 dB
Optical Connectors	FC/APC bulkhead on TB9226+1FA1
Fiber Type	single-mode fiber in and out
Remote Control	GPIB and RS-232
Local Control	front panel keypad
Warm Up Time	1 hour to perform within specifications
Manufacturer	JDS Uniphase / VIAVI
Use Case	ASE and spontaneous emission filtering
Literature	JDSU TB9226 tunable grating filter product listings
Family	JDSU TB9×26 tunable grating filters
Documentation Type	OEM TB9226 configuration listing
Brand Lineage	JDS Uniphase VIAVI
System Role	benchtop tunable optical filter
Form Factor	benchtop optical instrument
Related Config	TB9226+1FP1 FC/PC configurations
Isolation Class	higher wavelength isolation roll-off than Fabry-Perot etalons or interference filters
Applications Class	EDFA ASE filtering and DFB spontaneous emission removal

PARAMETER	VALUE
Bandwidth	3 Db: 0.22 nm at -3 dB

TB92261FA1 Specifications

PARAMETER	VALUE
JDS Uniphase TB9226 Tunable Grating Filter	Overview
Grating tunable filter	0.01 nm resolution
Technical Specifications	Model: TB9226

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. Configuration TB9226+1FA1 uses FC/APC bulkheads with a 1530-1570 nm tuning range, insertion loss less than 5.0 dB, 0.22 nm at -3 dB bandwidth, and 0.6 nm at -20 dB bandwidth. The filter provides steeper isolation roll-off than Fabry-Perot etalons or interference filters for ASE stripping of EDFAs and DFBs. Applications ASE filtering of EDFAs and spontaneous-emission stripping of DFB/tunable lasers in wavelength-selective component test. Key Features Grating tunable filter 0.01 nm resolution GPIB and RS-232 1525 to 1625 nm family TB9226+1FA1 FC/APC 1530-1570 nm Technical Specifications	
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Applications Class	EDFA ASE filtering and DFB spontaneous emission removal

Notes

From JDSU TB9226 family and TB9226+1FA1 configuration listings (1525-1625 nm family, 0.01 nm, GPIB/RS-232, 1 hour warm-up; 1530-1570 nm, IL less than 5.0 dB, 0.22 nm / 0.6 nm bandwidths, FC/APC). Polarization-dependent loss and return loss are on the TB9226 datasheet.

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.