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Data Sheet

August 7, 2026

JDS UNIPHASE/JDSU

JDS Uniphase TB9 JDSU TB9226-1SP1 Tunable Grating Filter 1460-1575nm

The JDS Uniphase TB9226-1SP1 is a tunable grating filter designed for use in optical communication systems. It operates in the 1460-1575nm wavelength range, offering precise wavelength selection and filtering. This filter is ideal for applications requiring dynamic wavelength management and signal conditioning.



MODEL

**JDS
Uniphase/JDSU
TB9226-1SP1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

TB9226-1SP1

LISTING

<https://aumictechlabs.com/products/tb9226-1sp1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase TB9226-1SP1 is a tunable grating filter engineered for dynamic wavelength selection and optical signal conditioning across the C-band and extended L-band. Built on diffraction grating technology, it delivers superior wavelength isolation and narrower passbands compared to Fabry-Perot and interference filter alternatives. The instrument operates as a precision spectral filter for single-mode fiber systems in laboratory and production test environments. Technical Specifications Wavelength Performance Tuning Range: 1460–1575 nm Optimized Window: 1530–1570 nm -3 dB Bandwidth (FWHM): 0.25 nm (±15%) -20 dB Bandwidth: 0.7 nm (±15%) Minimum Passband Width: 0.22 nm FWHM Tuning Resolution: 0.01 nm Wavelength

Accuracy: ± 0.2 nm Repeatability: ± 0.05 nm Optical Characteristics Insertion Loss: 45 dB
Polarization Dependent Loss (PDL): < 0.2 dB (1530–1570 nm) Electrical & Environmental Input
Power: 100–240 VAC, 50–60 Hz Warm-up Time: 1 hour (required for specification compliance)
Fiber Interfaces Single-mode fiber input and output Standard Connector: ST/PC Optional: FC/PC,
FC, or pigtailed FC/PC configurations Key Features Front panel keypad control for manual tuning
and configuration GPIB (IEEE 488) and RS232 interfaces enable integration into automated test
racks and control systems Grating-based design provides steeper roll-off and sharper spectral
isolation than competing filter architectures Selectable narrow passbands from 0.22–1.4 nm
FWHM accommodate diverse wavelength-selective requirements Typical Applications Amplified
spontaneous emission (ASE) suppression in EDFA systems Spontaneous emission filtering from
distributed feedback and tunable laser sources Wavelength-selective component characterization
in WDM and DWDM test benches Tunable laser source validation and performance
measurement Compatibility & Integration Fully compliant with CE, UL3101-1, and CAN/CSA-C22.2
No. 1010.1 safety standards. Dual control via local keypad or remote command interfaces supports
both standalone measurement and integrated automated test environments.

Features & description

From manufacturer datasheet

Features

- Model: TB9226 – –3 dB BW 0.22 nm; –20 dB BW 0.6 nm ($\pm 15\%$) • Tuning: 1530–1570 nm specified; usable 1460–1575 nm • Resolution: 0.01 nm • IL: ≤ 6.0 dB class (1530–1570 nm, model 226) • Max input: 300 mW standard • Connectors: ST/PC (SP); port type 1 = front bulkheads • Control: front panel; GPIB; RS-232 • Warm-up: 1 hour for rated performance • High rejection vs Fabry-Perot/interference filters

TB92261SP1 Characteristics / Specifications

PARAMETER	VALUE
Model	TB9226 – –3 dB BW 0.22 nm; –20 dB BW 0.6 nm (±15%)
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Tunable Grating Filter
Family	TB9 Series
Alias	TB9226-1SP1; TB9 TB9226-1SP1 Optical 1460–1575 nm usable; 0.22 nm BW; ST/PC front; 0.01 nm resolution Operational Notes Prefer JDS TB9 grating filter configuration guide (sample order TB9...). Confirm warm-up before critical measurements.
Tuning	1530–1570 nm specified; usable 1460–1575 nm
Resolution	0.01 nm
Max input	300 mW standard
Connectors	ST/PC (SP); port type 1 = front bulkheads
Control	front panel; GPIB; RS-232
Warm-up	1 hour for rated performance

TB92261SP1 Specifications

PARAMETER	VALUE
Key Features	- Model: TB9226 — -3 dB BW 0.22 nm; -20 dB BW 0.6 nm (±15%)
Technical Specifications	Model: TB9226-1SP1
Optical	1460–1575 nm usable; 0.22 nm BW; ST/PC front; 0.01 nm resolution
Operational Notes	Prefer JDS TB9 grating filter configuration guide (sample order TB9...). Confirm warm-up before critical measurements.

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.

performance

- High rejection vs Fabry-Perot/interference filters

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	TB9226-1SP1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Tunable Grating Filter
Family	TB9 Series
Alias	TB9226-1SP1; TB9 TB9226-1SP1

Optical

1460-1575 nm usable; 0.22 nm BW; ST/PC front; 0.01 nm resolution

Operational Notes

Prefer JDS TB9 grating filter configuration guide (sample order TB9...). Confirm warm-up before critical measurements.

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.