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Data Sheet

August 7, 2026

JDS UNIPHASE/JDSU

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

JDS Uniphase/JDSU Optical Attenuators. Resolution: 0.01 nm, Accuracy: 0.2 nm, Wavelength: selective component testing.



MODEL

**JDS
Uniphase/JDSU
TB9226-FA**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

TB9226-FA

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase TB9226-FA is a tunable grating filter engineered for precise wavelength selection across the S + C bands (1460–1575 nm). It delivers narrow-bandwidth optical filtering with grating-based rejection suitable for laboratory and production test environments where signal conditioning and wavelength selectivity are critical. This filter excels at ASE suppression in EDFA systems and removing spontaneous emissions from DFB and tunable laser sources during component characterization. Wavelength tuning resolves to 0.01 nm with 0.2 nm setting accuracy and 0.05 nm repeatability. Narrow passband performance - 0.25 nm at -3 dB (FWHM) and 0.7 nm at -20 dB - enables high spectral purity across the tuning range. Technical Specifications Wavelength Tuning Range: 1460–1575 nm Bandwidth (-3 dB FWHM): 0.25 nm typical (as low as 0.22 nm) Bandwidth (-20 dB): 0.7 nm typical Insertion Loss: ≤6.0 dB Polarization Dependent Loss

(PDL): ≤ 0.2 dB Return Loss: >45 dB Wavelength Resolution: 0.01 nm Wavelength Setting Accuracy: 0.2 nm Repeatability: 0.05 nm Optical Connectors: FC/APC (SMF in/out; FC/PC available on request) Input Power: 100–240 V AC, 50–60 Hz Power Consumption: 80 VA maximum Dimensions: 21.2 cm W $\times$ 8.9 cm H $\times$ 35.5 cm D (19 in rack mount, 2U, 1/2 rack width) Weight: 4 kg Operating Temperature: 10–40 °C Storage Temperature: 0–50 °C

Key Features Dual control via front-panel keypad and remote interfaces (GPIB/IEEE 488, RS-232) Tunable grating mechanism for flexible wavelength selection across 115 nm span Sub-0.25 nm passband width minimizes adjacent-channel interference High return loss and low PDL ensure stable performance in cascade configurations

Typical Applications ASE filtering in EDFA chains Spontaneous emission suppression from DFB and tunable laser sources Wavelength-selective component testing WDM and DWDM system validation

Compatibility & Integration Standard FC/APC bulkheads interface with single-mode fiber systems. GPIB and RS-232 remote control enable integration into automated test benches and instrument control frameworks.

Features & description

From manufacturer datasheet

Features

- Model: TB9226 (0.22 nm -3 dB; 0.6 nm -20 dB $\pm 15\%$)
- Tuning range code 1 class: 1530–1570 nm specified; usable 1460–1575 nm
- Resolution: 0.01 nm
- Insertion loss (1530–1570 nm, model 226): ≤ 6.0 dB class
- Max input: 300 mW standard (1 W with Poption)
- Connectors: FC/APC (FA); front bulkheads typical
- Control: front-panel keypad; GPIB and RS-232
- Warm-up: 1 hour for full specifications
- Single-mode fiber in/out; high rejection grating design

TB9226FA Characteristics / Specifications

PARAMETER	VALUE
Model	TB9226 (0.22 nm -3 dB; 0.6 nm -20 dB ±15%)
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Tunable Grating Filter
Family	TB9 Series
Alias	TB9226-FA; TB9 TB9226-FA Optical 1460–1575 nm usable; 0.22 nm BW; FC/APC; 0.01 nm resolution Operational Notes Prefer JDS TB9/TB9P grating filter spec sheet. Confirm port type and input-power option on label.
Tuning range code 1 class	1530–1570 nm specified; usable 1460–1575 nm
Resolution	0.01 nm
Insertion loss (1530–1570 nm, model 226)	≤6.0 dB class
Max input	300 mW standard (1 W with Poption)
Connectors	FC/APC (FA); front bulkheads typical
Control	front-panel keypad; GPIB and RS-232
Warm-up	1 hour for full specifications

TB9226FA Specifications

PARAMETER	VALUE
Key Features	- Model: TB9226 (0.22 nm -3 dB; 0.6 nm -20 dB ±15%)
Technical Specifications	Model: TB9226-FA
Optical	1460–1575 nm usable; 0.22 nm BW; FC/APC; 0.01 nm resolution
Operational Notes	Prefer JDS TB9/TB9P grating filter spec sheet. Confirm port type and input-power option on label.

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

- Single-mode fiber in/out; high rejection grating design

Technical Specifications

Technical Specifications

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

Optical

1460–1575 nm usable; 0.22 nm BW; FC/APC; 0.01 nm resolution

Operational Notes

Prefer JDS TB9/TB9P grating filter spec sheet. Confirm port type and input-power option on label.

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.