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Data Sheet

August 8, 2026

JDS UNIPHASE/JDSU

JDS Uniphase TB9 JDSU TB9226+1SU1 Tunable Grating Filter 1460-1575nm

The JDS Uniphase TB9226+1SU1 is a Tunable Grating Filter, operating in the 1460-1575nm wavelength range. It provides wavelength selection and signal conditioning in optical communication systems.



MODEL

**JDS
Uniphase/JDSU
TB9226+1SU1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

TB9226+1SU1

LISTING

<https://aumictechlabs.com/products/tb9226-1su1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDSU TB9226+1SU1 is a tunable grating filter engineered for precision wavelength selection across the 1460–1575 nm band. It delivers optical filtering for laboratory and production testing of single-mode fiber components and subsystems in optical communication systems. The device leverages diffraction grating technology to achieve steep wavelength isolation roll-off, outperforming traditional Fabry-Perot and interference filter architectures. Primary applications include suppression of amplified spontaneous emission (ASE) in Erbium-Doped Fiber Amplifiers (EDFAs), removal of spontaneous emission from distributed feedback and tunable lasers, and characterization of wavelength-selective components. Technical Specifications Wavelength Range: 1460–1575 nm Resolution: 0.01 nm FWHM (-3 dB bandwidth): As low as 0.22 nm; models

available from 0.22–1.4 nm Insertion Loss: <6.0 dB Polarization Dependent Loss (PDL): 45 dB
Tuning Repeatability: 0.05 nm Single-mode fiber input/output Operating Temperature: 10–40 °C
Storage Temperature: 0–50 °C Power Supply: 100–240 VAC, 50–60 Hz Power Consumption: 80
VA maximum Warm-up Time: 1 hour to specification; 2 hours recommended before operationKey
Features Dual configuration options: single-pass and double-pass grating designs for optimal
rejection and narrow bandwidth High rejection capability across the C and L telecommunications
bands Six standard models with bandwidth and performance variations for application-specific
deployment Front-panel keypad control with GPIB, RS-232, IEEE 488, and parallel/serial remote
interfacesTypical Applications ASE filtering in EDFA systems Spontaneous emission suppression
from DFB and tunable laser sources Tunable laser-based component testing WDM and DWDM
subsystem characterizationCompatibility & Integration The TB9226+1SU1 interfaces via front-
panel keypad, GPIB, RS-232, and IEEE 488 protocols, enabling integration into automated test
environments and manual laboratory setups.

Features & description

From manufacturer datasheet

Features

- Family: TB9 Tunable Grating Filter; model 226 (TB9226)
- Bandwidth: 0.22 nm (−3 dB); 0.6 nm (−20 dB)
- Resolution: 0.01 nm
- Wavelength range: 1460–1575 nm (configured unit)
- Connectors: SC/APC (SU); front bulkheads
- GPIB remote control; SCPI-compatible TB9 platform
- High out-of-band rejection for ASE/WDM filtering

TB92261SU1 Characteristics / Specifications

PARAMETER	VALUE
Model	TB9 / TB9226+1SU1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Tunable Grating Filter
Family	TB9 Tunable Grating Filter; model 226 (TB9226)
Alias	TB9226+1SU1; TB9 TB9226+1SU1 Optical Model 226 BW; 0.01 nm; 1460–1575 nm; SC/APC Operational Notes Prefer JDS TB9 Model 226 tables. Confirm exact calibrated range on the unit label before critical measurements.
Bandwidth	0.22 nm (–3 dB); 0.6 nm (–20 dB)
Resolution	0.01 nm
Wavelength range	1460–1575 nm (configured unit)
Connectors	SC/APC (SU); front bulkheads

TB92261SU1 Specifications

PARAMETER	VALUE
Key Features	- Family: TB9 Tunable Grating Filter; model 226 (TB9226)
Technical Specifications	Model: TB9 / TB9226+1SU1
Optical	Model 226 BW; 0.01 nm; 1460–1575 nm; SC/APC
Operational Notes	Prefer JDS TB9 Model 226 tables. Confirm exact calibrated range on the unit label 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.

Specifications

Specifications

PARAMETER	VALUE
Model	TB9 / TB9226+1SU1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Tunable Grating Filter
Family	TB9 Series
Alias	TB9226+1SU1; TB9 TB9226+1SU1

Optical

Model 226 BW; 0.01 nm; 1460–1575 nm; SC/APC

Operational Notes

Prefer JDS TB9 Model 226 tables. Confirm exact calibrated range on the unit label 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.