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Data Sheet
August 3, 2026

SANTAC

Santac OTF-920 Optical tunable bandpass filter 1525 ~ 1570nm

Santac Optical Attenuators. Resolution: 0.01 nm, Accuracy: ±0.1 nm max, Bandwidth: 0.7 ± 0.1 nm or 0.95 ± 0.1 nm (typical).

MODEL Santac OTF-920	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU OTF-920	LISTING https://aumictechlabs.com/products/otf-920-2/

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

This unit

The Santac OTF-920 is a programmable optical tunable bandpass filter that delivers precise wavelength selection and signal filtering across the C-band telecommunications window. Built on multilayer dielectric interference filters and Santec's patented linear sliding tuning method, it maintains stable bandwidth, insertion loss, and polarization dependent loss across its entire tuning range. The dual-slider configuration enables independent control of two optical channels, supporting continuous 80 nm tuning, split-band operation, or combined wavelength and power management through integrated variable attenuators.Technical Specifications Tuning Range: Slider 1: 1530–1570 nm | Slider 2: 1570–1610 nm | Combined: up to 80 nm Wavelength Resolution: 0.01 nm Wavelength Accuracy: ±0.1 nm max Wavelength Repeatability: ±0.05 nm max –3 dB Bandwidth: 0.7 ± 0.1 nm or 0.95 ± 0.1 nm (typical) –20 dB Bandwidth: <7.5 nm or <9.8 nm (typical) Insertion Loss: <3.5 dB max Polarization Dependent Loss: <0.1 dB (SMF) Polarization Mode

Dispersion: 45 dB Maximum Input Power: +20 dBm Filter Type: Multilayer dielectric interference Tuning Method: Patented linear sliding technologyKey Features Dual independently tunable sliders accommodate bandpass filters or variable attenuators Configurable bandwidth control via spectral response summation (example: 2.0 nm typical with dual 1.2 nm filters at 0.8 nm spacing) Wavelength-independent optical properties maintain consistent performance across tuning range Peak search function enables automatic signal optimization Automatic Power Control (APC) mode maintains constant output level Remote control via GPIB and RS-232C interfacesTypical Applications Optical communications and wavelength-selective signal processing Optical spectrum analysis and filter characterization Fiber optic sensing systems requiring tunable bandpass filteringCompatibility & Integration Communication Interfaces: GPIB, RS-232C Optical Connector: FC/SPC (front) Weight: 15 lbs (approximate)

Features & description

From manufacturer datasheet

Features

• Linear-sliding multilayer dielectric tunable bandpass filter • Catalog tuning window for this unit: approximately 1525–1570 nm (single-slider C-band class; Artisan example OTF-920S303: 1525–1573 nm) • Wavelength resolution: 0.01 nm (published OTF-920 configurations) • Wavelength accuracy: < ±0.1 nm; repeatability: < ±0.05 nm • Max input power: < +20 dBm • Return loss: > 45 dB • PMD: < 0.1 ps • PDL (SMF): typically < 0.1 dB (1-stage examples) to < 0.2 dB (2-stage examples) • Peak search function; GPIB and RS-232C remote interfaces • Bandwidth / IL depend on ordered filter type and stage count

OTF920 Characteristics / Specifications

PARAMETER	VALUE
Model	OTF-920
Manufacturer	Santec
Instrument Type	Programmable Optical Tunable Bandpass Filter
Alias	OTF-920; Santac OTF-920 Optical (representative published configurations)
Tuning Range (this listing)	1525 ~ 1570 nm class
Wavelength Resolution	0.01 nm (published OTF-920 configurations)
Wavelength Accuracy	< ±0.1 nm; repeatability: < ±0.05 nm
Wavelength Repeatability	< ±0.05 nm
Maximum Input Power	< +20 dBm
Return Loss	> 45 dB
PMD	< 0.1 ps
PDL (SMF)	< 0.1 dB (typ. 1-stage listings) / < 0.2 dB (typ. 2-stage listings) Example 1-stage profile (dealer-published OTF-920) −3 dB Bandwidth: 0.7 ± 0.1 nm (typ) or 0.95 ± 0.1 nm (typ) depending on filter code −20 dB Bandwidth: < 7.5 nm (typ) to < 9.8 nm (typ)
Insertion Loss	< 5.5 dB max Connectors Front fiber connectors per configuration (FC/SPC or FC/APC common) Standard Operating Conditions Observe max +20 dBm input. Verify engraved tuning range and filter-stage code on the unit; bandwidth and IL are configuration-specific.
Catalog tuning window for this unit	approximately 1525–1570 nm (single-slider C-band class; Artisan example OTF-920S303: 1525–1573 nm)
Max input power	< +20 dBm
Bandwidth	are configuration-dependent. Remote control via GPIB and RS-232C is supported. (Catalog brand “Santac” is the Santec OTF-920.)

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	OTF-920
Manufacturer	Santec
Instrument Type	Programmable Optical Tunable Bandpass Filter
Alias	OTF-920; Santac OTF-920

Optical (representative published configurations)

Specifications

PARAMETER	VALUE
Tuning Range (this listing)	1525 ~ 1570 nm class
Wavelength Resolution	0.01 nm
Wavelength Accuracy	< ±0.1 nm
Wavelength Repeatability	< ±0.05 nm
Maximum Input Power	< +20 dBm
Return Loss	> 45 dB
PMD	< 0.1 ps
PDL (SMF)	< 0.1 dB (typ. 1-stage listings) / < 0.2 dB (typ. 2-stage listings)

Example 1-stage profile (dealer-published OTF-920)
−3 dB Bandwidth: 0.7 ± 0.1 nm (typ) or 0.95 ± 0.1 nm (typ) depending on filter code
−20 dB Bandwidth: < 7.5 nm (typ) to < 9.8 nm (typ)
Insertion Loss: < 3.5 dB max

Example 2-stage profile (dealer-published OTF-920)
−3 dB Bandwidth: 0.65 ± 0.1 nm (typ); Artisan 0.3 nm (−3 dB) filter-type “03” also documented
−20 dB Bandwidth: < 3.0 nm (typ)
Insertion Loss: < 5.5 dB max

Connectors
Front fiber connectors per configuration (FC/SPC or FC/APC common)

Standard Operating Conditions
Observe max +20 dBm input. Verify engraved tuning range and filter-stage code on the unit; bandwidth and IL are configuration-specific.

Operational Notes
Dual-slider instruments may cover ~1530–1570 nm and ~1570–1610 nm on separate sliders. Match the faceplate range to the catalog 1525–1570 nm listing before use.

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

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