

Corporate

Products

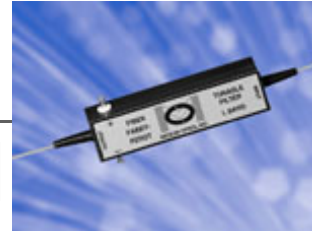
Support

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Fiber Fabry-Perot

Tunable Filter



Features

- High Finesse > 2000
- Low Insertion Loss < 1 dB
- All-Fiber Design
- Excellent Thermal, Vibration & Long-Term Stability
- Field-Proven < 100 FITs
- Available in S,C, & L Wavelength Bands

Applications

- EDFA Noise Filter
- WDM Channel Selector
- Optical Spectrum Analysis
- Tunable Laser
- Wideband Channel Switching
- WDMA Network
- Laser Stabilization

Part Number:

FFP-TF $\lambda\lambda\lambda\lambda$ -bbbuffff-I.I**Wavelength Band**

- * 1500 - S Band
- * 1550 - C Band
- * 1600 - L Band

Bandwidth

- * Specify bandwidth

Example:
040 - 40 GHz Bandwidth

Bandwidth Unit

- * G - GHz
- * M - MHz

Finesse

- * Specify Finesse

Example:
0200 - Finesse of 200

Insertion Loss

- * Specify Loss

Example:
2.5 - 2.5dB loss

Description

The **Micron Optics'** FFP-TF is the high performance tunable filter that continues to allow many telecom DWDM systems to optimize EDFA receiver performance. It has proven its capabilities in early WDM applications and has paralleled the ever increasing performance demands of the telecom market. In addition, it is the building block for many **MOI** modules and test instruments involving high-resolution spectrum analysis and narrow channel selection.

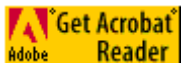
The key to the simple but elegant design of the FFP-TF is the all-fiber construction. Without the added complexity of collimating optics and lenses, the FFP-TF achieves high finesse and maintains low loss making it a critical component to a broad range of applications.

Components

Test Instruments

Telecom Modules

[Download this page with specifications in Adobe Acrobat PDF Format](#)



Specifications

Options

Optical

Operating Wavelength Range	
S-Band	1480-1520nm
C-Band	1520-1570 nm
L-Band	1570-1620 nm
Free Spectral Range (Fixed FSR but selectable within this range)	10-10,000 GHz
Finesse*	10, 40, 100, 150, 200, 650, 1000, 2000
Insertion Loss (Typical, Dependent on FSR & Finesse)	< 2.5 dB
Low Loss Option	< 1.5 dB
Polarization Dependent Loss	< 0.5 dB
Input Power	< 200 mW

Electrical

Tuning Voltage/FSR	< 12 V
Capacitance	< 3.0 μ F
Slew Rate	< 10 V/ms
Tuning Voltage	< 70 V

Environmental

Operating Temperatures	< -20 ° - 80 °C
Change Voltage/Operating Temperature	< 12V
Change Insertion Loss/Operating Temperature	< 0.5 dB
Change Insertion Loss/Vibration	< 0.5 dB

Mechanical

Dimension	1/2 x 9/16 x 2 1/4 inches 12.7 x 14.3 x 57.2 mm
Weight	1 oz 28 g
Pigtail Jacket - loose	900 μ m buffer tubing
Pigtail Length	> 1 m
Connector	See Options

010	Low Loss
020	PM Fiber**
060	FC/SPC Connectors
061	FC/APC Connectors
062	SC/SPC Connectors
063	SC/APC Connectors
064	E2000
065	F3000
066	LC Connectors

** Please verify specifications available with Micron Optics

*Other finesses are available. Please inquire with

News & Events