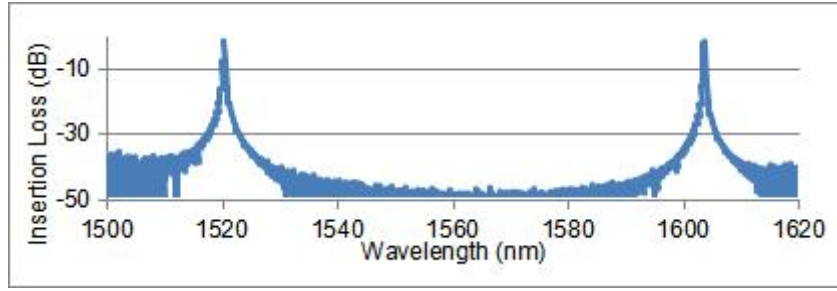


Fiber Fabry-Perot Tunable Filter

FFP-TF Series : Fiber Fabry-Perot Tunable Filter (FFP-TF).



Features:

- Based on fiber Fabry-Perot interferometer technology
- High resolution
- Efficient low loss design
- Tuning range C + L bands
- Vibration and shock resistant
- Excellent thermal stability

Applications:

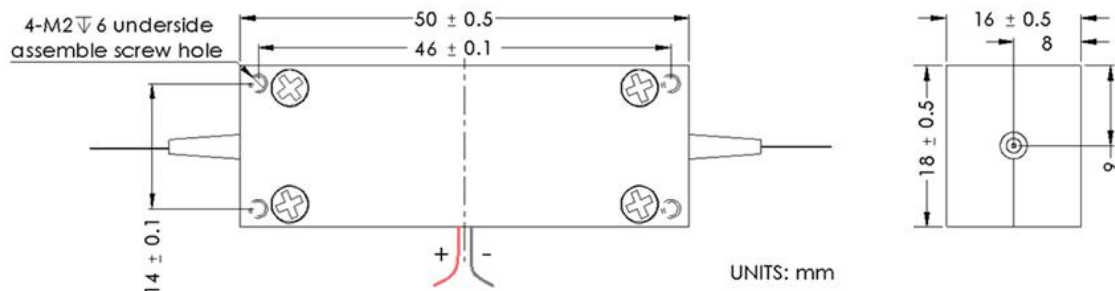
- FBG and FP sensor interrogation
- Wavelength-swept sources
- Spectrum analysis
- Optical channel monitoring and selection
- Optical noise filtering

Performance Specifications

Parameter	Unit	Value				
Wavelength Range	nm	1500 -1600				
Typ. FSR	--	100, 120, 160 or specify				
Typ. Finesse	--	400	1000	2000	5000	10000
Max. Peak Insertion Loss	dB	2.5	3.0	3.5	4.0	4.5
Max. PDL (at peak transmission wavelength)	dB	0.3	0.3	0.3	0.3	0.3
Max. Optical Power	mW	50	30	15	5	3
Max. Tuning Frequency	kHz	1				
Fiber Type	--	singlemode fiber				
Fiber Jacket	--	900 μ m loose tube				
Max. Tuning Voltage/FSR	V	20				
Max. Tuning Voltage	V	70				
Operating Temperature	$^{\circ}$ C	0 to +70				
Storage Temperature	$^{\circ}$ C	-20 to +85				
Fiber Length	m	1				

*IL is 0.3 dB higher for each connector added.

Outline Diagram



Ordering Information

Hirundo Optics Inc

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Fiber Fabry-Perot Tunable Filter

FFP-TF-①①①-②②②②②-③-④:

①①①: FSR

100 - 100 - 120 nm

120 - 120 - 135 nm

160 - 160 - 180 nm

②②②②②: Finesse

400 - 400 5000 - 5000

1000 - 1000 10000 - 10000

2000 - 2000

③: Connector Type

1 - FC/UPC

2 - FC/APC

N - None

④: Package Type

A - type A (2 wires)

