

60dB High Isolation Manual Tunable Filter

2.7 nm / 340 GHz Passband

DiCon's High Isolation Manual Tunable Filter is used to select a narrow passband from a 30 nm wavelength range.

The user can manually select the passband by turning the precise micrometer adjustment mechanism, and the selected passband can be locked in place mechanically.

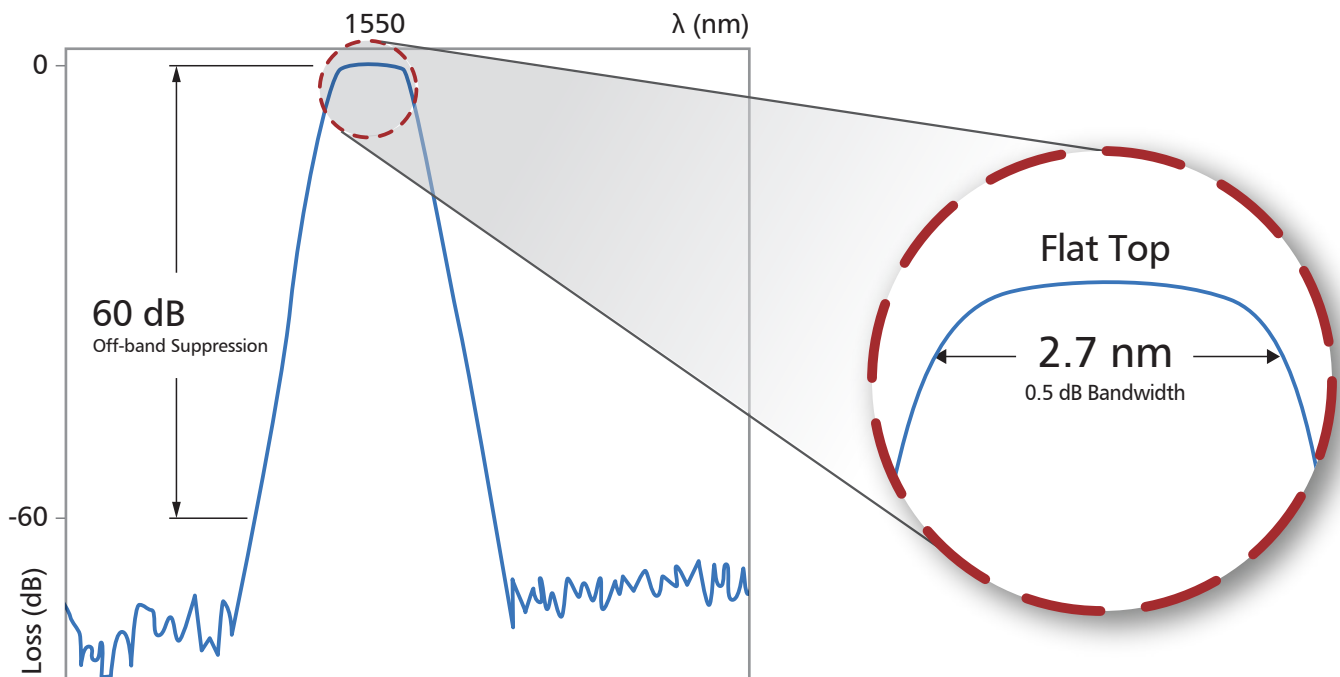


FEATURES

- Off-band suppression > 60 dB
- Flat top passband
- 2.7 nm passband @ 0.5 dB

APPLICATIONS

- Increased laser signal to noise ratio
- ASE noise cleanup for EDFA.
- Channel selection for multi-channel signals
- Laboratory test and measurement systems



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2.7 nm / 340 GHz Passband

OPTICAL SPECIFICATIONS¹

PARAMETER		RATING
Tuning Range		1535 to 1565 nm
Bandwidth	@ 0.5 dB	2.7 nm min.
	@ 3 dB	3.5 nm min.
	@ 20 dB	5.8 nm max.
Min IL @ Peak ²		1.5 dB typ. (2.5 dB max.)
Tuning Resolution		0.05 nm typ.
PDL		0.10 dB typ. (0.25 dB max.) ³
Back Reflection		-55 dB typ. (-40 dB max.)
Optical Power	Standard	500 mW max.
	High Power	1.5 W max.
Operating Temperature		-5 to 70°C
Storage Temperature		-40 to 85°C
Fiber Type		9/125 μm single mode

1. All specifications are without connectors

2. IL measured at center wavelength @ 25°C

3. Typical PDL is 0.10 dB @ 1550 nm; 0.03 dB @ 1565 nm; 0.23 dB @ 1535 nm

ORDERING INFORMATION

TF2 - 1550 - 2.7 - 9/9LT - [] - [] - []

Tuning Range

1550 1535-1565 nm

Bandwidth

2.7 2.7 nm @ 0.5 dB

Fiber and Fiber Jacket Type

9/9LT 9/125 μm single mode with
900 μm Loose Tube

Connector Type

FC/UPC FC / UPC

FC/APC FC / APC

SC/UPC SC / UPC

SC/APC SC / APC

LC/UPC LC / UPC

LC/APC LC / APC

N No connectors

Other connectors available upon request

Optical Power

S Standard (500 mW)

H High Power (1.5 W)

Pigtail Length

1 1 Meter

X Specify X Meters

MECHANICAL DIMENSIONS

