

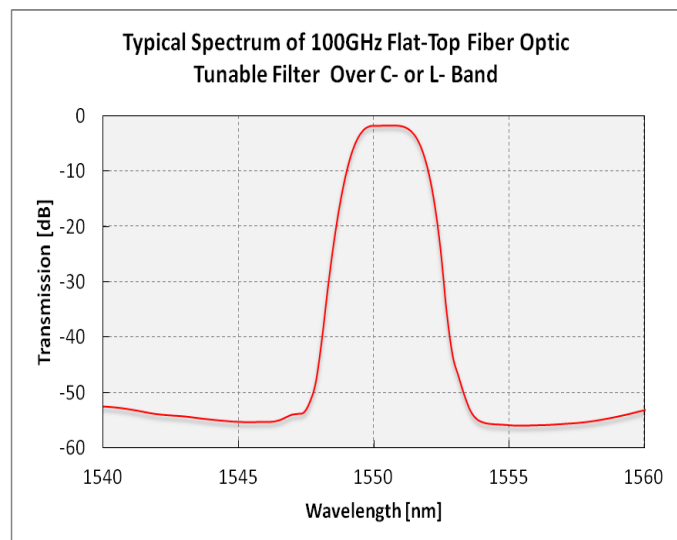
Manual Fiber Optic Tunable Filter

(OEFTF-100)

OEFTF-100 is a thin-film-based manually tunable band pass filter, which is used to manually adjust the center wavelength of a 100 GHz flat-top narrow band over C- or L-band. Wavelength selection is made through a precise micrometer driver. Low insertion loss, low polarization dependent loss, high off-band suppression and low cost enable this filter as an ideal choice for laboratory applications and other purposes.

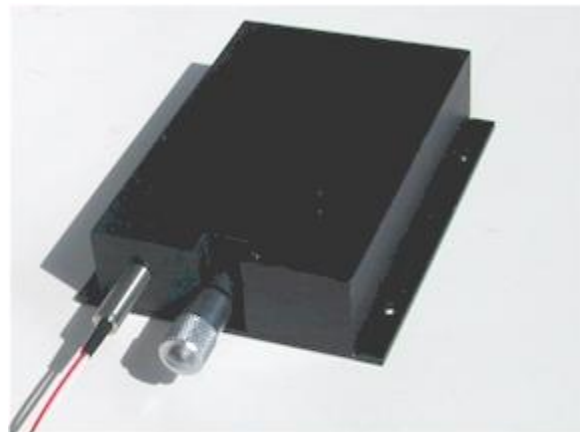
FEATURES:

- 100GHz flat-top shape transmission
- High tuning resolution (0.04nm)
- Wide tuning range (C- or L-band)
- Low insertion loss and polarization-dependent loss (PDL)
- High off-band suppression (-50dB)



APPLICATIONS:

- Wavelength selection in DWDM system test
- Optical performance monitor
- Tunable optical noise filter
- Instrumentation
- Optical Signal Filter
- Biomedical
- Fiber optic sensing



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SPECIFICATIONS:

Specifications	Unit	
Wavelength Tuning Range	nm	C-band 1530 – 1565 or L-band 1575-1610
Pass Band Shape	nm	Flat-top transmission (100GHz bandwidth, 0.8)
Insertion Loss	dB	≤ 2.0
Wavelength Resolution	nm	0.04
Polarization Dependent Loss	dB	≤ 0.25
Return Loss	dB	≥ 50
Off Band Rejection	dB	≥ 50
Power Handling	mW	≤ 500
Operation Temperature	°C	10 ~ + 50
Storage Temperature	°C	-10 ~ 75
Dimension	mm	18.5 x 50 x 60
Fiber Type of pigtail *		SMF-28 or PM with 900 loose jacket

Note: All specifications are subject to change without notice.

Please feel free to contact us at sales@northphotonics.com for more information on this product.