

Tunable Filters

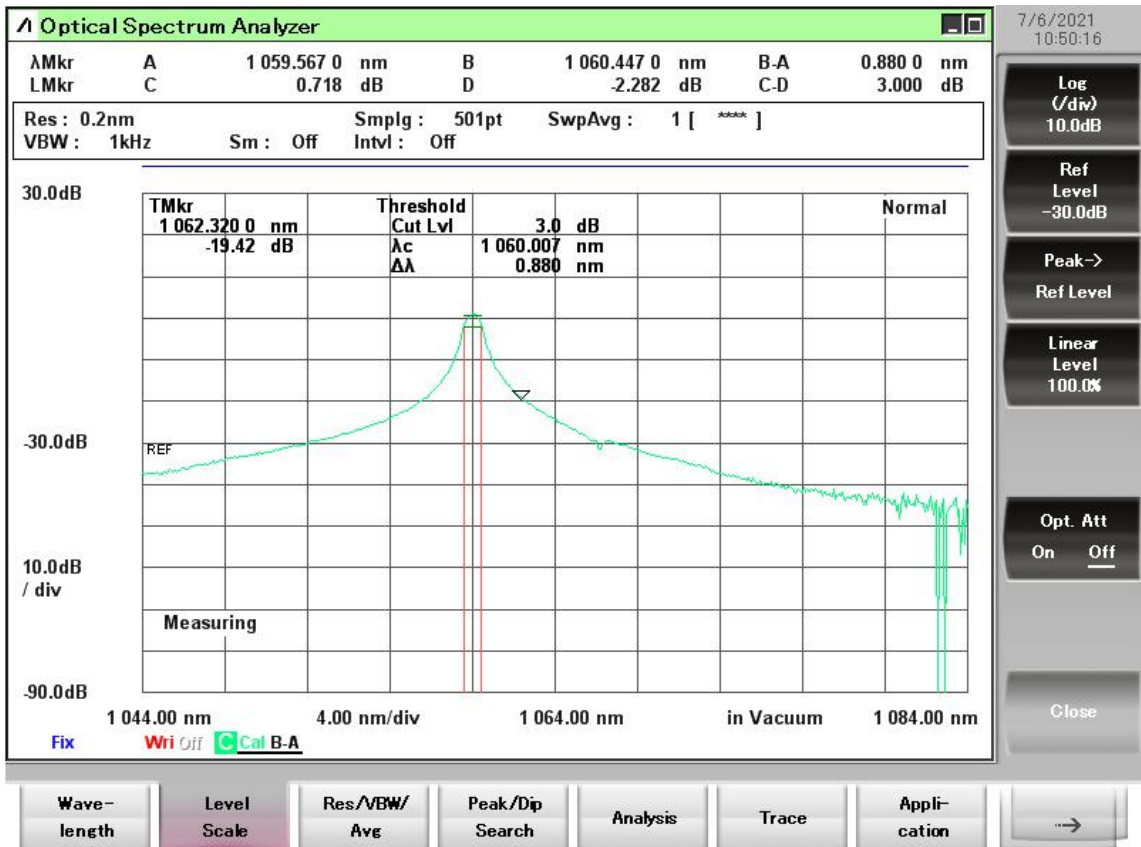
Tunable filter is a wavelength selection device which has a wide range of applications in the field of optical fiber communication and optical fiber sensing. It can be used in semiconductor laser, fiber laser reflector, multiplexing devices, optical amplifier, wavelength selectors, wavelength converters, dispersion compensators and so on.

The tunable filters produced by CASTECH has the characteristics of wide tuning range, narrow bandwidth, small insertion loss and high stability. In order to meet various special applications, CASTECH provides customized products according to requirements.



Applications

- Fiber Laser
- Fiber optic sensing
- ASE spectrum control
- Fiber grating application



Measured line width

Tunable Filters

Tunable Filter Model Number: CTF-t-w-f-b-l-h

Type(t)	Wavelength(w)	Tuning Bandwidth(f)	Fiber Type(b)		Pigtail Length(l)	Housing(h)
A (Automatic) M (Manual)	980 nm 1030 nm 1064 nm 1550 nm ...	40 nm 50 nm 60 nm ...	Non-polarity-maintaining	1 (Hi1060) 2 (SMF-28e) 3 (10/125) ...	80 (0.8 m) 100 (1 m) 150 (1.5 m) ...	A01 A02 A03 ...
			polarity-maintaining	P1 (PM980) P2 (PM1550) ...		

Typical Specifications

Center Wavelength	Resolution	Passband Bandwidth(0.5 dB)	Cut-off Bandwidth (25 dB)	Insertion Loss	Withstand Power	Tunable Bandwidth
1064 nm	0.1 nm	1 nm	10 nm	3.5 dB	500 mW	40 nm

Housing dimensions(mm):

