

## Flat-top Tunable Optical Filter



### Product Introduction

Accelink's Flat-top Tunable Optical Filter (FT-TOF) is a dynamic wavelength selection device. The product is based on thin-film filter coating technology. The center wavelength selection is precisely tuned using the micro-motor driven by an external integrated circuit controller.

### Features

- Wide tuning range, cover C-band or L-band High dynamic range (>40dB)
- High isolation In-band OSNR monitoring
- Low tuning voltage & low power consumption
- Latching.

### Applications

- Dynamic wavelength selection in DWDM systems
- Optical performance monitoring
- Signal demultiplexing for wavelength division multiplexers
- ASE noise suppression for optical amplifiers.

### Standards

- Telcordia GR-1312-CORE
- RoHS

### Specifications

Parameter	Unit	Value					
		50GHz			100GHz		
		Min	typical	Max	Min	typical	Max
Wavelength Tuning Range	nm	1529		1567	1529		1567
	nm	1567		1605	1567		1605
Bandwidth@0.5dB	GHz		15			30	
Bandwidth@1dB	GHz	20			40		
Bandwidth@3dB	GHz		30			60	
Bandwidth@20dB	GHz			82			150
PDL	dB			0.3			0.2
PMD	ps			0.5			0.3
Chromatic Dispersion	ps/nm		±80				±50
Maximum Optical Power	mW	300					
Peak Insertion Loss	dB	<4					
Return Loss	dB	>45					
Frequency setting error	GHz	<±4					
Frequency Repeatability	GHz	±1					
Tuning Speed	S	< 6					
Supply Voltage	V	A:3.3 B: 5					
Power Consumption	W	<3					
Operation Temperature	°C	-5~65					
Storage Temperature	°C	-40~85					
Package	mm	A: 80×75×16, B: 84×61×18					
Electronic Connector		A: SAMTEC 40(pin) B: SAMTEC 20(pin)					

### Ordering Information

TOF- FT-□-□-□-□-□-□

- Package: A: 80x75x16mm、B: 84x61x18mm
- Connector: 00: no connector、FC,SC,LC,MU/PC,UPC,APC
- Fiber length: 1: 1.0m、Customer specify
- Fiber Dia.: 09: Φ0.9mm
- Channel space: 1: 100GHz、3: 50GHz
- Operation wavelength: C: C band、L: L band