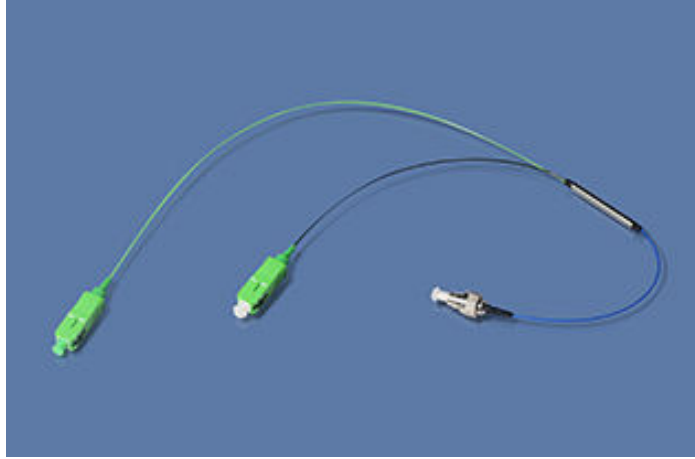


## FWDM Devices specification



### Description

FTTX Filter WDM module extensively used in EDFA, Raman amplifiers, WDM networks and fiber optics instrumentation is based on Thin Film Filter (TFF) technology. The device combines or separates light at different wavelengths in a wide wavelength range. It can expand the capacity of a single fiber to achieve bidirectional communication, so that widely used in optical network upgrade and expansion, or introduce new comprehensive business etc.

### Features

- Low Insertion Loss
- Wide pass band
- High Channel Isolation
- High Stability and reliability
- Epoxy-free on Optical Path

### Applications

- Line Monitoring
- WDM Network
- Telecommunication
- Cellular Application
- Fiber Optical amplifier
- Access Network

## Performance Specifications

Parameters		Unit	Specifications
1	Transmission working wavelength	nm	1480 ~ 1500
2	Reflected working wavelength①	GHz	1260 ~ 1360
3	Reflected working wavelength②	nm	1540 ~ 1560
4	Channel Insertion Loss	dB	≤0.80 (Typical 0.60)
5	Reflection Channel Insertion Loss	dB	≤0.60 (Typical 0.35)
6	Insertion loss flatnessn	dB	<0.3
7	Insertion Channel Isolation	dB	>30
8	Reflection Channel Isolation	dB	>15
9	Return Loss	dB	>50
10	Directivity	dB	>50
11	Polarization Dependent Loss	dB	<0.10
12	PMD	ps	<0.10
13	Power Handling	mW	500
14	Operation Temperature Range	°C	-40 to +80
15	Storage Temperature Range	°C	-40 to +80
16	Fiber Jacket & Fiber Length	cm	Customized
17	Package Dimensions-Type 1	mm	< 3.8 (Φ) * 30 (L)
	Package Dimensions-Type 2	mm	< 4.2 (Φ) * 30 (L)
	Package Dimensions-Type 3	mm	< 5.5 (Φ) * 58 (L)
18	Fiber Type	G.652D / G.657 A1 (or Customized)	
19	Fiber Marking	Customized	

1.Above specifications are for devices without connector.

2.Specifications may change without notice.