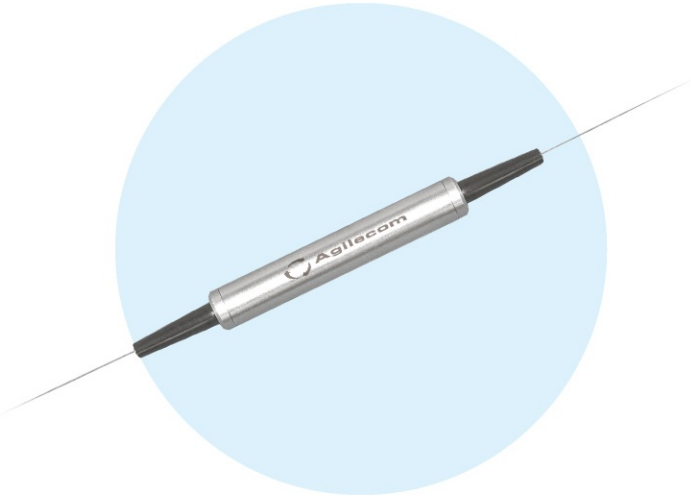
FWDM

Agilecom's Filter Wavelength Division Multiplexer (FWDM) is a highly reliable micro-optical device based on thin-film fiber technology with low insertion loss, wide bandwidth, high isolation and epoxy-free optical path. The product has already been widely used in communication fields such as signal monitoring, optical line termination, optical network unit, FTTH, CATV system, WDM system, etc.



Key Features

- Wide Operating Wavelength Range
- Low Insertion Loss
- Ultra Flat Wide Passband
- High Channel Isolation
- High Stability and Reliability
- Epoxy-free on Optical Path

Applications

- Testing Instruments
- FTTH Tri-Play System

Specifications

Center Wavelength	nm	T1310R1490/1550	T1490R1310/1550	T1550R1310/1490	T850R1310	T1310R850
Operating Wavelength Range	nm	1310±50	1490±50	1550±50	±50	±50
Typ.Insertion Loss	dB	T≤0.4 R≤0.2				
Max.Insertion Loss	dB	T≤0.6 R≤0.4				
Polarization Dependent Loss	dB	≤0.1				
Isolation Room Temperature	dB	T≥30 R≥15				
Return Loss	dB	≥50				
Power Handling	mW	≤500				
Fiber Type	/	SM	SM	SM	MM62.5/12.5	
Operating Temperature	℃	-40~85				
Storage Temperature	℃	-40~85				
Package Dimensions	mm	5.5*34/38				

Note: Specifications without connectors

Order Information

FWDM — □ □ □

Code	Operating Wavelength(nm)
350	T1310/R1550
530	T1550/R1310
450	T1490/R1550
435	T1490/R1310,1550
345	T1310/R1490,1550
534	T1550/R1310,1490
635	T1590,1610/R1310,1490,1550

□

Code	Package Size (Φ×L)mm/(L×W×H)mm
1	5.5×34
2	5.5×38
6	90×20×10
X	Customized

□

Code	Pigtail Type
0	250μm Bare Fiber
1	0.9mm Loose Tube
2	2.0mm Loose Tube
3	3.0mm Loose Tube
X	Customized

□

Code	Fiber Length(m)
1	0.5
2	1.0
3	1.5
4	2.0
5	2.5
6	3.0
A	1.25
B	1.75
C	2.25
X	Customized

□

Code	Connector
0	None
1	SC/UPC
2	SC/APC
3	FC/UPC
4	FC/APC
5	LC/UPC
6	LC/APC
7	ST/UPC
8	MU
X	Customized