

**Overviews**

1310/1490/1550 Filter Wavelength Division Multiplexer (Fwdm) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging. Provides low insertion loss, high channel isolation, low temperature sensitivity and epoxy free optical path.

**Feature**

- FTTH Tri-Play System ;
- High Channel Isolation ;
- Epoxy-free on Optical Path



**Specification**

Parameter		FWDM 4/35	FWDM 5/34	FWDM 34/5
Pass Band Wavelength Range (nm)		1480~1500	1540~1560	1260~1360&1480~1500
Reflection Band 1 Wavelength Range (nm)		1260~1360	1260~1360	1540~1560
Reflection Band 2 Wavelength Range (nm)		1540~1560	1480~1500	
Insertion loss (dB)	Reflect Channel	≤0.6		
	Pass Channel	≤0.8		
Pass Band Rippler (dB)		<0.3		
Isolation	Reflect Channel	>15		
	Pass Channel	>30		
Insertion Loss Temperature Sensitivity (dB/°C)		<0.005		
Polarization Dependent Loss (dB)		<0.1		
Polarization Mode Dispersion (ps)		<0.1		
Directivity (dB)		>50		
Return loss (dB)		>50		
Maximum Power Handling (mW)		300		
Operating Temperature (°C)		-10~+75		
Storage Temperature (°C)		-40~+85		
Package Dimension (mm)		Φ5.5x34 (L38 for 900um Loose tube)		

**Order Information**

FWDM	XX	SCA	3.0	1.5
FWDM	1490 pass 1310&1550 reflect 1550 pass 1310&1490 reflect 1310&1490 pass 1550 reflect	0=No connector SCA=SC/APC SCU=SC/UPC FCA=FC/APC ...	0.25=250u m 0.9=900um 2.0=2.0mm 3.0=3.0mm	0.5=0.5m 1=1m 1.5m=1.5m 3=3m ...