

Three Port WDM

1. Description:

FTTH is a single Fiber To Home directly. Technical characteristics of the FTTH is the not only provide greater bandwidth, and enhance the network of data format, rate, wavelength and protocol transparency, loosened the requirements for environmental conditions and power supply, etc, to simplify the maintenance and installation.

2. Features:

- Low Insertion Loss
- Broad Operating Band
- High Channel Isolation
- High Reliability and Stability

3. Applications:

- EDFA
- FTTH
- CATV System
- WDM System



4. Specifications:

Parameter		Mux	Demux
Operating Wavelength (nm)		1470 ~1610 or 1471 ~1611	
Center Wavelength Accuracy (nm)		± 0.5	
Channel Spacing ((GHz))		20	
Min.Channel Bandwidth (nm)		± 7	
Transmission IL (dB)		≤ 0.6	
Reflection IL (dB)		≤ 0.4	
Channel Corrugated (dB)		≤ 0.3	
Isolation (dB)	Adjacent Channel	N/A	≥ 30
	Non-Adjacent Channel	N/A	≥ 40
Reflection Isolation (dB)		≥ 12	
IL Temperature Sensitivity (dB/°C)		≤ 0.005	
Wavelength Temperature Shifting (nm / °C)		≤ 0.002	
Polarization Dependent Loss (dB)		≤ 0.1	
Polarization Mode Dispersion (ps)		≤ 0.1	
Directivity (dB)		≥ 50	
RL (dB)		≥ 45	
Power Handling (mW)		300	
Operating Temperature (°C)		0 ~ +70	
Storage Temperature (°C)		-40 ~ +85	
Dimension (mm)		$\phi 5.5 \times L34$ (L38 for 900um Jacket)	



5. Order Information:

SCWDM	ITU Channel	Fiber Type	Fiber Length	Connector
M=Mux D=Demux	510=1510nm 530=1530nm 550=1550nm 570=1570nm	1=Bare Fiber 2=900um Jacket 3=3mm Cable	1=1 Meter 2=2 Meter	