



## Filter Type WDM (1310/1550,1480/1550,8501340 FWDM)



### Overview:

Filter type WDM is based on proven thin-film filter technology. This WDM is widely used in fiber optical communication system and EDFA where needs flat and broad operating band.

### Features:

- \* Broad operating band
- \* High channel isolation
- \* High stability and reliability

### Applications:

- \* EDFA
- \* WDM system
- \* CATV

**Specification:**

Parameter \ Type	1310/1550	1480/1550	850/1310
Operating wavelength(nm)	1310 and 1550	1480 and 1550	850 and 1310
Operating bandwidth(nm)	±40	±20	±50
Transmission insertion loss(dB)	<0.6	<0.6	<0.7
Reflection insertion loss (dB)	<0.4	<0.4	<0.6
Transmission channel isolation(dB)	>35	>30	>40
Reflection channel isolation(dB)	>15	>15	>15
Channel flatness(dB)	<0.4	<0.2	<0.4
Directivity (dB)	>55		>38
Return loss (dB)	>50		>30
PDL (dB)	<0.10		
Wavelength thermal stability (nm/°C)	<0.003		
Insertion loss thermal stability (dB/°C)	<0.005		
Power handling (mW)	<500		
Operating temperature (°C)	0 ~ +70		
Storage temperature (°C)	-40 ~ +85		
Dimensions (mm)	φ5.5×L34		
Fiber Type	Corning SMF-28		50/125 or 62.5/125 Multi-Mode Fiber

\*The above specification is without connector.

\*Other specifications can be made on customer request.

**Ordering Information:**

FWDM—XXX/XX—X—X—XX/XXX

- ↳ Connector : 0=none,FC/APC,SC/APC etc.
- ↳ Pigtail Type : 0=250μm, 1=900μm, 2=2mm, 3=3mm, 4=others
- ↳ Fiber Type : 0=SM, 1=flexcore, 2=50/126, 3=62.5/125, 4=others
- ↳ Working Wavelength : 850/1310 (850 is transmission wavelength) etc.