

Filter Type WDM (FWDM)

Description

Filter type WDM is based on proven thin-film filter technology. This WDM is widely used in fiber optical communication systems and EDFA where flat and broad operating bands are needed.

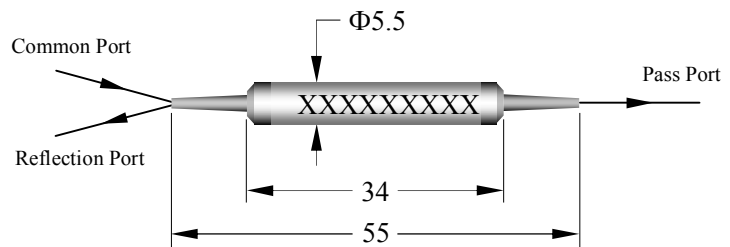
Key Features

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



Applications

- * EDFA
- * WDM systems
- * CATV



Specifications

Parameter	Type				
	1310/1550	1480/1550	850/1310 Multi-mode	980/1060	1570/2000
Pass band wavelength (nm)	±40	±20	±50	960~990	1950~2050
Reflection band wavelength (nm)	±40	±20	±50	1020~1080	1560~1580
Transmission insertion loss (dB)	≤0.6	≤0.6	≤0.7	≤0.8	≤0.8
Reflection insertion loss (dB)	≤0.4	≤0.4	≤0.6	≤0.6	≤0.8
Transmission channel isolation (dB)	≥30			≥25	
Reflection channel isolation (dB)	≥15			≥13	≥12
Directivity (dB)	≥55		≥35	≥50	≥50
Return loss (dB)	≥50		≥30	≥50	≥50
PDL (dB)	≤0.1				
Insertion loss thermal stability (dB/ °C)	≤0.005				
Power handling (mW)	≤500				
Operating temperature (°C)	-5 ~ +70				
Storage temperature (°C)	-40 ~ +85				
Dimensions (mm)	Φ5.5× L34				Φ5.5× L35
Fiber type	Corning SMF-28e	50/125 or 62.5/125 Multi-mode fiber	Corning Hi1060	Corning SMF-28e	

*The above specification is without connector, Other specifications can be made on customer request.

**The specification of filter type multi-mode WDM is based on IEC standard fiber mode filter .If testing without fiber mode filter,IL will be 0.1dB higher

Ordering Information

FWDM-XXX-TXXXX/RXXXX-X-X-XX/XXX-XX*XX

