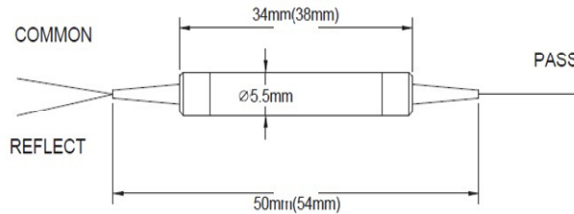




980/1550nm Filter Wavelength Division Multiplexer

The Filter Wavelength Division Multiplexer is based on environmentally stable thin-film filter technology. The devices combine or separate light at different wavelength in a wide wavelength range. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental stability. High power handling capability can be achieved through unique pigtail processing and high quality AR coating. These components have been extensively used in EDFAs, Raman amplifiers, WDM networks and fiber optical instruments.

The products are Telcordia GR-1221/1209-CORE qualified, and RoHS compliant.



Performance Specifications

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

- ◆ System Monitoring
- ◆ WDM System
- ◆ Transmitters and Fiber laser
- ◆ Fiber Optical Amplifier
- ◆ Fiber Optic Instruments

Parameter	FWDM-59	
Pass Channel Wavelength Range (nm)	1520 ~ 1600	
Reflect Channel Wavelength Range(nm)	960~ 1000	
Insertion Loss (dB)	Reflect Channel	< 0.6
	Pass Channel	< 1.0
Insertion Loss Variation(dB)	< 0.3	
Isolation	Reflect Channel	> 18
	Pass Channel	> 30
Insertion Loss Temperature Sensitivity (dB/°C)	< 0.003	
Polarization Dependent Loss (dB)	< 0.10	
Polarization Mode Dispersion (ps)	< 0.1	
Directivity (dB)	> 60	
Return Loss (dB)	> 50	
Power Handling (mW)	300	
Operating Temperature (°C)	0 ~ +70	
Storage Temperature (°C)	-40 ~ +85	
Package Dimensions (mm)	Ø5.5 x L34(L38 for 900um Jacket)	
Fiber Type	Corning HI 1060 at common/pump port	
	Corning SMF-28 fiber at signal port	

*The above specification is without connector.

**Other specifications can be made on customer request.

Order information

FWDM-①①-②②-③③-④④



①①	②②	③③	④④
Wavelength	Fiber Diameter	Fiber Length	Connector
59:1550nm pass/980nm reflect	25:250um 90:900um XX: Others	05:0.5m 10:1.0m 15:1.5m XX:Others	00:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC LP: LC/PC LA: LC/APC XX: Others