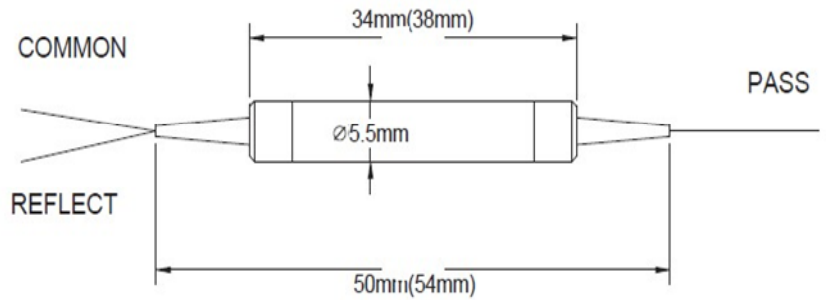
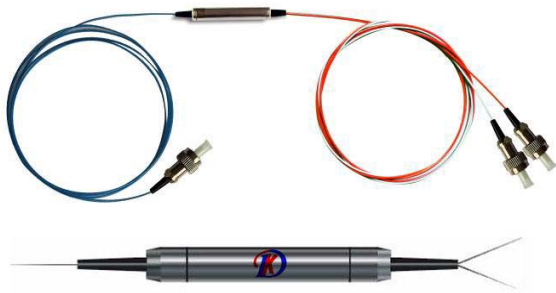




1480/1550nm Filter Wavelength Division Multiplexer

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.



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 lasers
- ◆ Fiber Optical Amplifier
- ◆ Fiber Optic Instruments

Performance Specifications

Parameter	FWDM-45/54	
Pass Channel Wavelength Range (nm)	1530 ~ 1580 (or 1440 ~ 1490)	
Reflect Channel Wavelength (nm)	1440 ~ 1490 (or 1530 ~ 1580)	
Insertion Loss (dB)	Reflect Channel	< 0.4
	Pass Channel	< 0.6
Insertion Loss Variation (dB)	< 0.3	
Isolation	Reflect Channel	> 12
	Pass Channel	>30
Insertion Loss Temperature Sensitivity (dB/°C)	<0.003	
Polarization Dependent Loss (dB)	<0.1	
Polarization Mode Dispersion (ps)	<0.1	
Directivity (dB)	>60	
Return Loss (dB)	>50	
Maximum Power Handling (mW)	300	
Operating Temperature (°C)	0 ~+65	
Storage Temperature (°C)	-40 ~+85	
Package Dimension (mm)	Ø5.5 x L34(L38 for 900um Jacket)	

*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
45:1480 Pass/1550 Reflect 54:1550Pass/1480 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 ST: ST/PC XX: Others