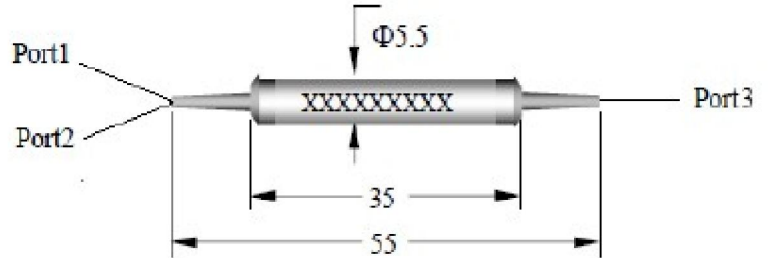




Polarization Maintaining Filter WDM 1310/1550 &1480/1550nm

The Polarization Maintaining Filter WDM Components are characterized with low IL, high return loss, high extinction ratio and excellent environmental stability and reliability. They are ideal for polarization maintaining fiber amplifiers, fiber lasers, and high speed communication system and instrumentation applications.



Features

- ◆ Low Insertion Loss
- ◆ High Extinction Ratio
- ◆ Compact In-Line Package
- ◆ High Stability and Reliability

Applications

- ◆ Fiber Optic Instruments
- ◆ Fiber Sensors
- ◆ Coherent Detecting
- ◆ Research

Performance Specifications

Parameter	Values	
Operating Wavelength	1310/1550	1480/1550
Bandwidth (nm)	± 40	± 20
Insertion Loss(dB)	≤0.6(T)	≤0.6(T)
	≤0.4(R)	≤0.4(R)
Extinction Ratio (dB)	≥20	≥20
Isolation(dB)	≥30(T)	≥30(T)
	≥12(R)	≥12(R)
Optical Return Loss(dB)	≥50	
Power Handling (Max)(mW)	≤500	
Thermal Stability(dB/°C)	≤0.005	
Tensile Load(N)	≤5	
Fiber Type	PM Panda fiber	
Operating Temperature(°C)	-5 to +70	
Storage Temperature(°C)	-40 to +85	
Package Dimensions (mm)	Ø5.5 x L35	

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.

*The PM fiber and the connector key are aligned to the slow axis and fast axis is blocked.

Order information

FWDM-1X2-①①-②②-③③-④④



①①	②②	③③	④④
Wavelength	Fiber Diameter	Fiber Length	Connector
53:1550nm pass/1310nm reflect	25:250um 90:900um XX: Others	05:0.5m 08:0.8m 10:1.0m XX: Others	00:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC LP: LC/PC LA: LC/APC XX: Others