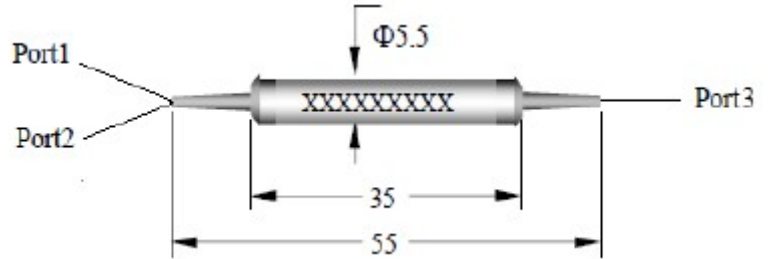




## Polarization Maintaining Filter WDM T1550/R980nm

The Polarization Maintaining Filter WDM 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.

The products are Telcordia qualification tested.



### Features

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

### Applications

- ◆ Fiber laser
- ◆ Fiber amplifier
- ◆ Sensor
- ◆ Communications

### Performance Specifications

Parameter	Values
Pass Band Wavelength Range(nm)	1530~1580
IL over Pass Band(dB)	≤0.7
Pass band Isolation(dB) @ 980+/-20nm	≥30
Reflection Band Wavelength Range(nm)	980+/-20
IL over Reflection Band(dB)	≤0.5
Reflection Band Isolation(dB) @ 1530~1580nm	≥13
Extinct Ratio(dB)	≥20
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
59:1550nm pass/980nm 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