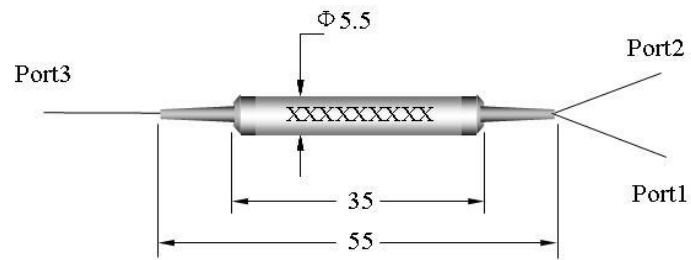


## Polarization Maintaining Filter Coupler (1310&1550nm)

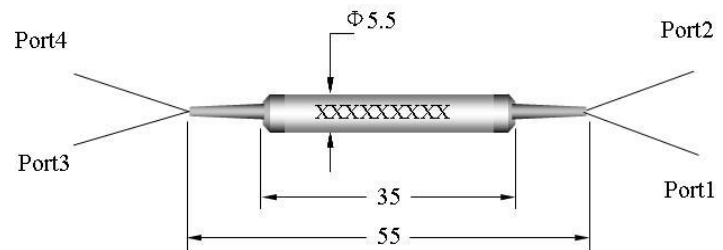
### 1. Features:

- Low insertion loss
- High extinction ratio
- High Return Loss
- Excellent environmental stability and reliability



### 2. Applications:

- Fiber Laser
- Fiber Sensor
- Communication System
- Test Instrumentations
- Polarization maintaining optical system



### 3. Compliance:

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS



## 4. Specifications:

Parameters	Type	Unit	Values	
Port Type			1X2	2X2
Operating Wavelength Range		nm	1310±40 & 1550±40	
Excess Loss		dB	≤0.7	≤1.0
Uniformity (only for 50/50)		dB	≤0.5	≤0.7
Extinction Ratio for F type & (B type)		dB	≥22 & (20)	≥22 & (18)
Tap Ratio (Port 2/4)		%	1±0.2%, 2±0.4%, 5±1%, 10%±2%, and 50%	
Return Loss		dB	≥50	
Handling Power		mW	≤500 (only for Splitter)	
Tensile Load		N	≤5	
Fiber Type		-	SMF-28e or PM Panda Fiber on Tap Port	
		-	PM Panda Fiber on Input & Output Port	
Operating Temperature		°C	-5 to +70	
Storage Temperature		°C	-40 to +85	
<b>Light Path Explanation</b>				
1x2	B Type	Port1 to Port2 & 3, Port2 is tap port.		
	F Type	Port3 to Port1 & 2, Port2 is tap port.		
2x2	B Type	Port1 to Port2 & 3, Port2 is tap port. Port3 to Port1 & 4, Port4 is tap port.		
	F Type	Port1 to Port3 & 4, Port4 is tap port. Port3 to Port1 & 2, Port2 is tap port.		
"B" for Both axis working, "F" for Fast axis blocking.				

\*The specifications are w/o connector.

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

\* For device with connector, key aligned to slow axis.

## 5. Product Ordering information:

PMFC		X X	X	X	X	X	XXX	XX	XX
Product Description	Port Type	Operating Wavelength	Axis Type	Coupling Ratio	Pigtail Type	Fiber Type	Port1&2&3 or 4 Connector Type	Package Size	Fiber Length
P=Polarization	1X2	98=980	F	1/99	0=250um	1=PM98	0=None	34=5.5×34	05=0.5m
M=Maintaining	2X2	06=1064	B	2/98	1=900um	2=PM15	1=FC/UFC	35=5.5×35	08=0.8m
F=Filter		15=1550		5/95		3=PM13	2=FC/APC	38=5.5×38	10=1.0m
C=Coupler		13=1310		10/90		4=others	3=SC/UPC		12=1.2m
				50/50			4=SC/APC		

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