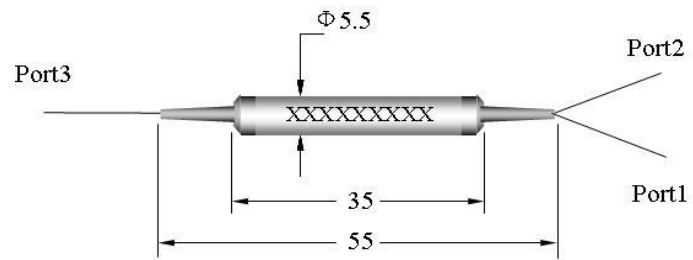


Polarization Maintaining Filter Coupler (980&1064nm)

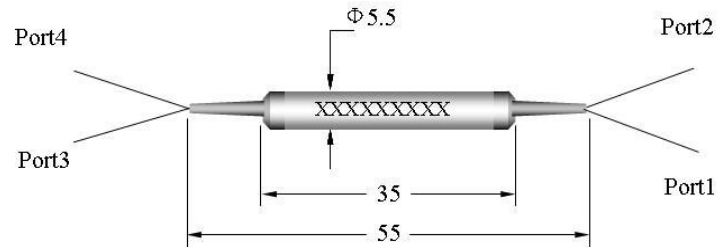
1. Features:

- 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	980&1064±20	
Excess Loss			dB	≤0.8	≤1.0
Uniformity (only for 50/50)			dB	≤0.6	≤0.8
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	
Light Path Explanation					
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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