



# Polarization Maintaining Filter Coupler



## Features

- Low Excess Loss
- Various Coupling Ratio
- Wide Pass Band
- High Stability And Reliability
- Epoxy Free Optical Path

## Applications

- Optical Amplifier
- Optical Network
- Power Monitoring
- Fiber Sensors

## Performance Specifications

Parameter	1x2						2 X 2					
	Center Wavelength (nm)	1550 +/- 10nm (1310, 1060 or custom wavelength)										
Coupling Ratio	1:99	2:98	5:95	10:90	40:60	50:50	1:99	2:98	5:95	10:90	40:60	50:50
Max IL(dB) (@1550nm)*	21/0.8	18/0.8	14/0.9	11.5/0.1	4.6/2.6	3.6	21/1.0	18/1.0	14/1.1	11.8/1.3	4.8/2.8	4.0
Max. Excess Loss (dB)	1.0											
Max. Uniformity (dB)	0.8											
Min. Extinction Ratio (dB)	18 (typ.20)											
Optical Return Loss (dB)	>50											
Power Handling (mW)	300											
Max. Tensile Load (N)	5											
Operation Temperature (°C )	-5 ~ +70											
Storage Temperature (°C )	-40 ~ +85											
Fiber Type	PM Panda Fiber for In/Out and SMF-28 for Tap Port											
	All PM Panda fiber											
Packing Dimensions (mm)	1x2:[Ø5.5xL35(L38 For 900um Jacket)]											
	2x2:[Ø5.5xL38(L40 For 900um Jacket)]											

1. The PM fiber and the connector key are aligned to the slow axis.
2. The ER is for fiber <math>\leq 0.75</math> meter. Increase fiber length can decrease the ER.
3. For devices with connectors, insertion loss will be 0.3dB higher, return loss will be 5dB lower, and extinction loss will be 2dB lower.

## Ordering Information

PMFC	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
	Center Wavelength	Port	Split Ratio	Fiber Type	Fiber Type on Tap Port	Fiber Length	In/Out Connector
	55=1550nm 13=1310nm 14=1480nm 10=1060nm 85=850nm SS=Specify	1=1x2 2=2x2	01=1/99 02=2/98 05=5/95 10=10/90 40=40/60 50=50/50 SS=Specify	1=Bare fiber 2=900um Jacket S=Specify	M=SMF-28 (For1x2only, Standard product) H=HI780 for 850nm; HI1060 for 1060nm P=Panda fiber S=Specify	1=0.75m S=Specify	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC X=Special