

## Polarization Maintaining Filter Coupler



### Key Features

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

### Applications

- Optical Amplifier
- Optical Networks
- Power Monitoring
- Fiber Sensors

### Performance Specifications

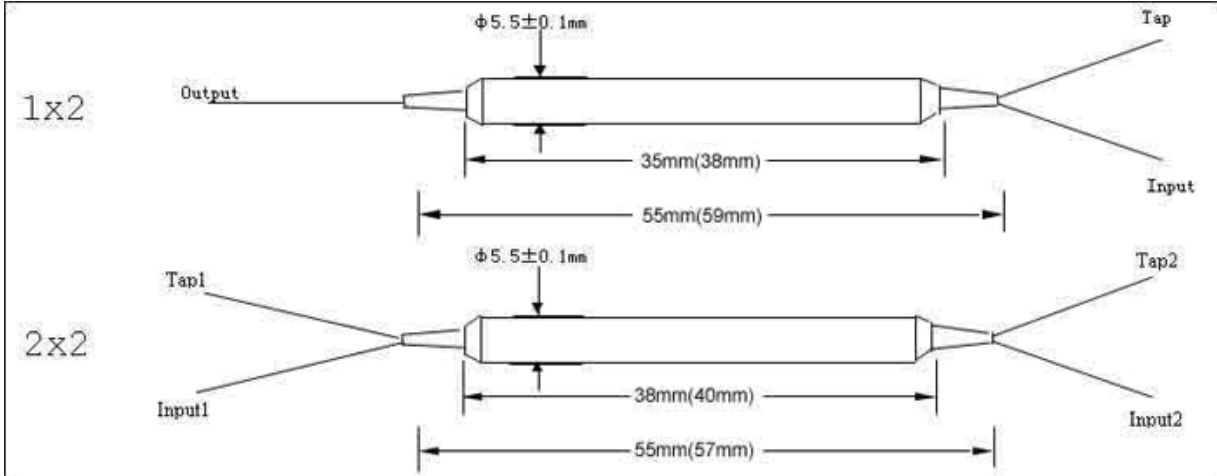
Parameter	Specifications											
	1x2						2x2					
Operating Wavelength	1550±10nm (1310nm, 1060nm or Custom wavelength)											
Coupling Ratio Typical	1:99	2:98	5:95	10:90	40:60	50:50	1:99	2:98	5:95	10:90	40:60	50:50
Insertion (Max.) (dB) (@1550nm)*	21/0.8	18/0.8	14/0.9	11.5/0.1	4.6/2.6	3.6	21/1.0	18/1.0	14/1.1	11.8/1.3	4.8/2.8	4.0
Excess Loss (Max.)	1.0dB											
Uniformity (Max.)	0.80dB											
Extinction Ratio	18dB (typ.20dB)											
Return Loss	≥ 50dB											
Optical Power	300mW											
Tensile Load (Max.)	5N											
Operating Temperature	-5 to +70°C											
Storage Temperature	-40 to +85°C											
Fiber Type	PM Panda fiber for In/Out or SMF-28 for Tap Port											
	All PM Panda fiber											
Package Dimensions	1x2:[Ø5.5xL35mm(L38 For 900um Jacket)]; 2x2:[Ø5.5xL38mm(L40 For 900um Jacket)]											

NOTE: 1. Connector keys are aligned to the slow axis.

2. ER value applies to fiber ≤ 0.75m. Increased fiber length will decrease ER.

3. For each connector, IL will be 0.3dB higher, RL 5dB lower, and ER 2dB lower.

**Mechanical Dimensions**



**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"/>
	<b>Wavelength</b>	<b>Type</b>	<b>Split Ratio</b>	<b>Pigtail Style</b>	↓	<b>Fiber Length</b>	<b>In/Out Connector</b>	<b>Working Axis</b>
	10 = 1060nm 13 = 1310nm 14 = 1480nm 55 = 1550nm 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	↓	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	S = Slow Axis Working B = Both Axis Working F = Fast Axis Working
					<b>Fiber Type on Tap Port</b>			
					M = SMF-28 (For 1X2 only, standard product) H = HI780 for 850nm; HI1060 for 1060nm P = Panda Fiber S = Specify			