

# Polarization Maintaining Filter Coupler

## Features

Low Insertion Loss  
High Return Loss

## Applications

Fiber Optic Instruments  
Fiber Amplifiers  
Fiber Lasers  
Fiber Sensors

## Specifications

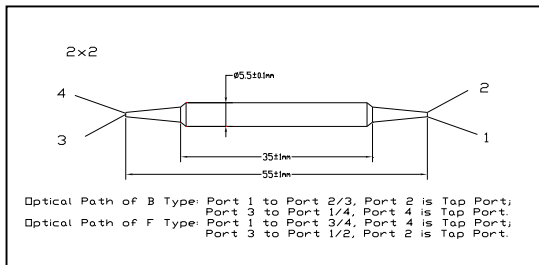
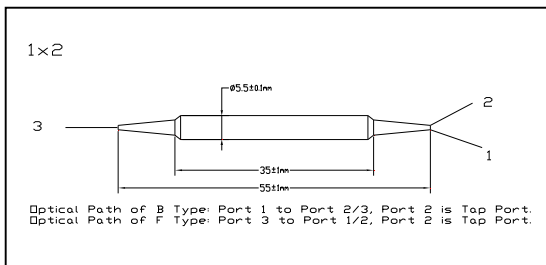
Parameters	Unit	Values	
Port Type		1X2	2X2
Center Wavelength	nm	1310 or 1550	
Operating Wavelength Range	nm	±40	
Max. Excess Loss	dB	0.7	1.0
Max. Uniformity (only for 50/50)	dB	0.4	0.6
Tap Ratio (Port 2/4)	%	1±0.2%, 2±0.4%, 5±1.0%, 10%, and 50%	
Min. Return Loss	dB	50	
Min. Extinction Ratio (only for F type)	dB	22	22
Min. Extinction Ratio (only for B type)	dB	20	18
Max. Optical Power (CW)	mW	500 (only for Splitter)	
Max. Tensile Load	N	5	
Fiber Type		SMF-28e or PM Panda Fiber on Tap Port	
		PM Panda Fiber on Port 1 & Port 3	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

\* Above specifications are for devices without the connectors.

\* 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 for F type, fast axis is blocked.

## Package Dimensions



## Ordering Information

PMFC-①①-②-③③-④-⑤⑤⑤⑤-⑥⑥⑥⑥-⑦-⑧

①①: Wavelength

31 - 1310nm  
55 - 1550nm  
SS - Specify

②: Port

1 - 1x2  
2 - 2x2

: Coupling Ratio

01 - 1/99  
02 - 2/98  
04 - 4/96  
05 - 5/95  
10 - 10/90  
20 - 20/80  
50 - 50/50  
SS - Specify

④: Axis Alignment

F - Fast Axis Blocked  
B - Both Axis Working

⑤⑤⑤⑤: Connector Type on Port 1, 2, 3 & 4

1 - FC/UPC  
2 - FC/APC  
3 - SC/UPC  
4 - SC/APC  
N - None  
S - Specify

⑥⑥⑥⑥: Fiber Jacket on Port 1, 2, 3 & 4

B - 250um Fiber  
D - 400um Fiber  
L - 900um Loose Tube  
S - Specify

⑦: Fiber Type on Tap port

M - SMF-28e Fiber (For 1x2 only)  
P - PM Panda Fiber  
S - Specify

⑧: Fiber Length

0.8 - 0.8m  
S - Specify