



# Mini Polarization Maintaining Filter Coupler

## Features

- Low Insertion Loss
- High Extinction Ratio
- Very Wide Operating Wavelength Range
- High Return Loss
- Small Package

## Applications

- Fiber Optic Instruments
- Compact Fiber Amplifiers
- Compact Fiber Lasers
- Fiber Sensors

## Specifications

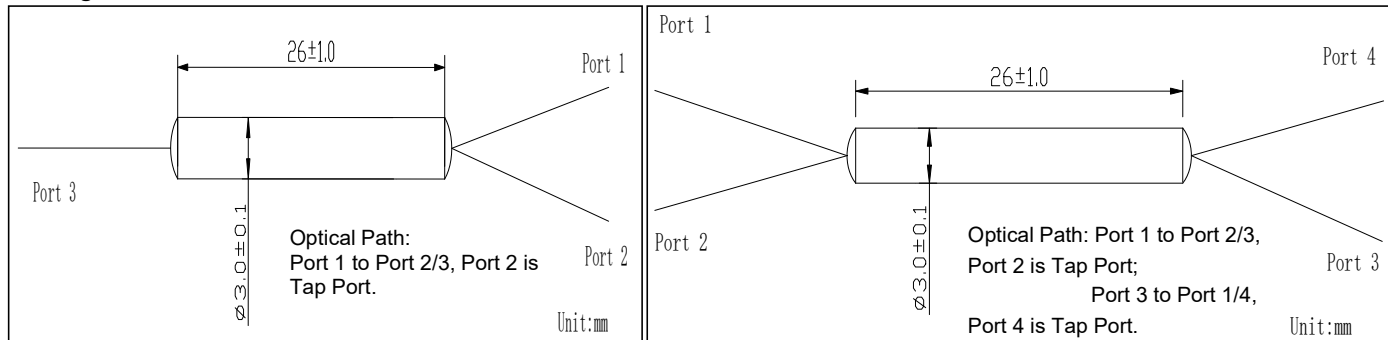
Parameters	Unit	Values	
Center Wavelength	nm	1310 or 1550	
Operating Wavelength Range	nm	±40	
Type		1x2	2x2
Max. Excess Loss	dB	0.7	1.0
Max. Uniformity (only for 50/50)	dB	0.5	0.7
Tap Ratio (Port 2/4)	%	1±0.2, 2±0.4, 5±1.0, 10±2, and 50	
Min. Return Loss	dB	50	
Min. Extinction Ratio	dB	20	18
Max. Optical Power (CW)	mW	500 (only for Splitter)	
Max. Tensile Load	N	5	
Fiber Type	-	PM Panda Fiber	
Operating Temperature	°C	-5 ~ +70	
Storage Temperature	°C	-40 ~ +85	

\* Above specifications are for devices without connector. For devices with connector, 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.

\* The material must be ROHS compliant.

## Package Dimensions



## Ordering Information

MPMFC-①①-②-③③-④-⑤⑤⑤⑤-⑥⑥⑥⑥-⑦-⑧

①: Wavelength  
31 - 1310nm  
55 - 1550nm  
S - Specify

②: Port  
1 - 1x2  
2 - 2x2

③: Coupling Ratio  
01 - 1/99  
02 - 2/98  
05 - 5/95  
10 - 10/90  
50 - 50/50  
S - Specify

④: Axis Alignment  
B - Both Axis Working

⑤: Handling Power  
0.5 - 500mW

⑥⑥⑥⑥: Connector Type on Port 1, 2, 3 & 4  
1A - FC/UPC  
2A - FC/APC  
3D - SC/UPC  
4D - SC/APC  
N - None  
S - Specify

⑦⑦⑦⑦: Fiber Jacket on Port 1, 2, 3 & 4  
B - 250um Bare Fiber  
C - 900um Loose Tube (Blue)  
SS - Specify

⑧: Fiber Length on Port 1, 2, 3 & 4  
0.8 - 0.8m  
S - Specify

⑨: Fiber Type

01A - PM1550 on all Port  
13A - PM1550 on port 1/3, SMF-28e on other Port  
07A - PM1300 on all Port  
19A - PM1300 on port 1/3, SMF-28e on other Port  
S - Specify

⑩: Package Dimensions  
07-Ø3.0x26  
S - Specify