



# 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

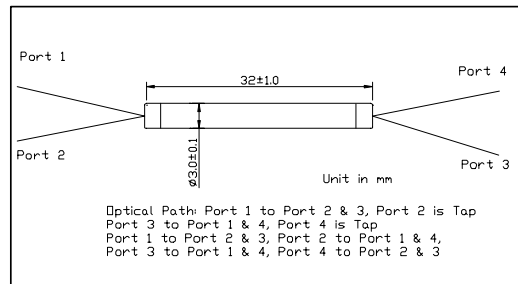
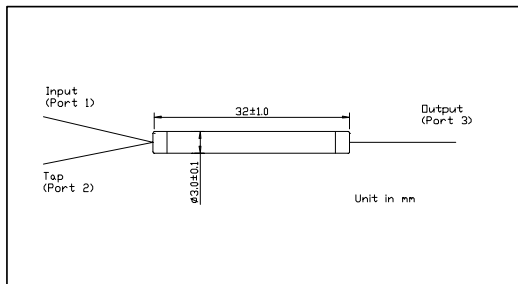
Parameters	Unit	Values	
Type		1x2	2x2
Center Wavelength	nm	1310 or 1550	
Operating Wavelength Range	nm	±40	
Max. Excess Loss	dB	0.7	1.0
Max. Uniformity (only for 50/50)	dB	0.5	0.7
Tap Ratio (Port 2/4)	%	1±0.2%, 2±0.4%, 5±1.0%, 10%, and 50%	
Min. Return Loss	dB	50	
Min. Extinction Ratio (only for B type)	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 Input & Output Port	
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.

## Package Dimensions



## Ordering Information

MPMFC-①①-②-③③-④-⑤⑤⑤⑤-⑥⑥⑥⑥-⑦-⑧

①①: Wavelength  
 31 - 1310nm  
 55 - 1550nm  
 SS - Specify

②: Port  
 1 - 1x2  
 2 - 2x2

③③: Coupling Ratio  
 01 - 1/99  
 02 - 2/98  
 05 - 5/95  
 10 - 10/90  
 50 - 50/50  
 SS - Specify

④: Axis Alignment  
 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  
 L - 900um Loose Tube  
 S - Specify

⑦: Fiber Type on Tap port  
 M - SMF-28e Fiber  
 P - PM Panda Fiber  
 S - Specify

⑧: Fiber Length  
 0.8 - 0.8m  
 S - Specify