

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

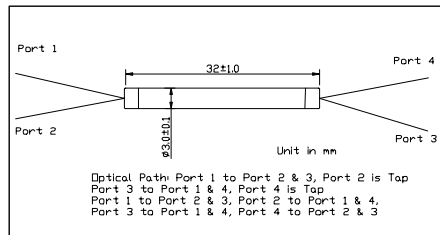
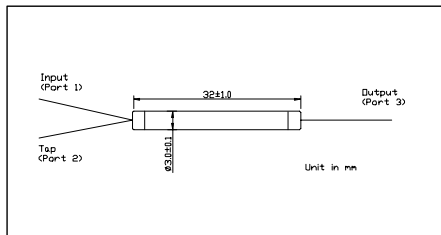
Parameters	Unit	Values	
Center Wavelength	nm	1310 or 1550	
Operating Wavelength Range	nm	±40	
Type		1x2	2x2
Max. Excess Loss	dB	0.7	1.0
Max. Uniformity (only for 50/50)	dB	0.5	0.7
Tap Ratio (Port 2/4)	%	1±0.2%, 2±0.4%, 5±1.0%, 10%, and 50%	
Min. Return Loss	dB	50	
Min. Extinction Ratio (only for B type)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

D - 400um 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