Polarization Maintaining Filter Coupler

Features

Low Insertion Loss

High Return Loss

Applications

Fiber Optic Instruments

Fiber Amplifiers

Fiber Lasers

Fiber Sensors

Specifications

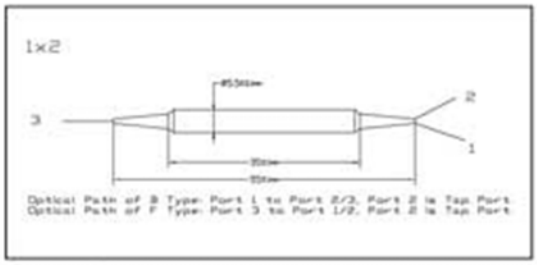
Parameters	Unit	Values	
Port Type		1X2	2X2
Center Wavelength	nm	1310 or 1550	
Operating Wavelength Range	nm	±40	
Max. Excess Loss	dB	0.7	1.0
Max. Uniformity (only for 50/50)	dB	0.4	0.6
Tap Ratio (Port 2/4)	%	1±0.2%, 2±0.4%, 5±1.0%, 10%, and 50%	
Min. Return Loss	dB	50	
Min. Extinction Ratio (only for 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	℃	-5 to +70	
Storage Temperature	℃	-40 to +85	

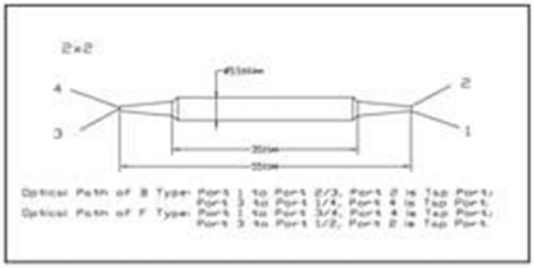
* Above specifications are for devices without the connectors.

* 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

③③: 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

DPM PHOTONICS