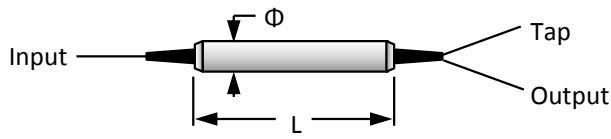


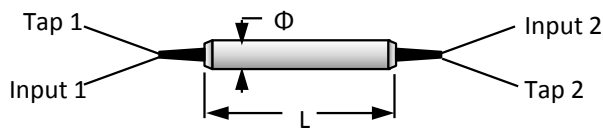
## 1×2, 2×2 Polarization Maintaining Filter Coupler 810nm

The 810nm 1×2, 2×2 Polarization Maintaining (PM) Filter Coupler is built by using thin-film filter technology. It can be used to split the input signal at various ratios while preserving the polarization with high extinction ratio.



### Features

- Low Cost
- High Polarization Extinction Ratio
- Compliant to Telcordia GR-1221-CORE



### Applications

- Fiber Amplifier
- Fiber Sensor
- Power Monitoring
- Fiber Laser
- Lab & Research

### Performance Specification

Parameter	Value		Unit
Center Wavelength	810 or customized		nm
Bandwidth	±15 (±40nm available upon request)		nm
Configuration	1X2	2X2	
Max. Excess Loss	1.2	1.4	dB
Min. Extinction Ratio	20		dB
Max. Uniformity (for 50/50 only)	0.6	0.8	dB
Max. Coupling Ratio Tolerance	99/1±0.4%, 95/5±1.5%, 90/10±2.0%, 80/20±2.5%, 70/30±3.0%		
Min. Directivity	55		dB
Min. Return Loss	50		dB
Max. Optical Power (Continuous Wave)	300 (Higher power available upon request)		mW
Max. Tensile Load	5		N
Fiber Type	PM Panda Fiber on Input & Output Port PM Panda Fiber or HI 780 Fiber on Tap Port		
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C
Package Dimension	Φ5.5×L35		mm

### Note

\* Test at center wavelength without connector. For devices with connectors, EL will be 0.2dB higher, and ER will be 2dB lower.

\* The PM fiber and the connector key are aligned to the slow axis.

### Ordering Information

#### PMFC-AAA-BB-CC-DD-E-FF-GG-H

AAA	BB	CC	DD	E	FF	GG	H
Wavelength	Port	Coupling Ratio	Fiber Type on Tap Port	Fiber Jacket	Fiber Length	Connector	Working Axis
780 - 780nm	12 - 1X2	01 - 01/99	PM - PM Panda Fiber	B - 250um Bare	05 - 0.5m	NE - None	F - Fast Axis
810 - 810nm	22 - 2X2	02 - 02/98	H7 - HI 780C Fiber	Fiber	08 - 0.8m	FA - FC/APC	Blocked
850 - 850nm		04 - 04/96	SS - Specify	L - 900um Loose	10 - 1.0m	FP - FC/PC	B - Both Axis
SSS - Specify		05 - 05/95		Tube	15 - 1.5m	SA - SC/APC	Operating
		10 - 10/90		C - 3.0mm Cable	SS - Specify	SP - SC/PC	
		20 - 20/80				LA - LC/APC	
		30 - 30/70				LP - LC/PC	
		50 - 50/50				SS - Specify	
		SS - Specify					