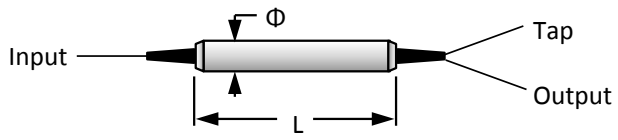
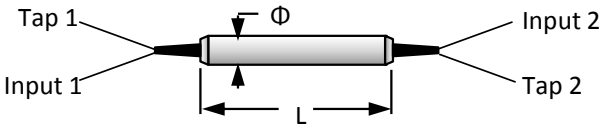
1×2, 2×2 Polarization Maintaining Filter Coupler 1950nm

The 1950nm (2 micron, 2μm) 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

Applications

Fiber Amplifier
Power Monitoring
Fiber Laser
Lab & Research

Performance Specification

Parameter	Value		Unit
Center Wavelength	1950 or customized		nm
Bandwidth	±50		nm
Configuration	1X2	2X2	
Max. Excess Loss	1.2	1.5	dB
Min. Extinction Ratio	18		dB
Max. Uniformity (for 50/50 only)	0.8	1.0	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		mW
Max. Tensile Load	5		N
Fiber Type	PM Panda Fiber on Input & Output Port PM Panda Fiber or SMF-28e Fiber on Tap Port		
Operating Temperature	-5 to +70		℃
Storage Temperature	-40 to +85		℃
Package Dimension	Φ5.5×L35		mm

Note

** 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-AAAA-BB-CC-DD-E-FF-GG-H

AAAA	BB	CC	DD	E	FF	GG	H
Wavelength	**Port**	**Coupling Ratio**	**Fiber Type on Tap Port**	**Fiber Jacket**	**Fiber Length**	**Connector**	**Working Axis**
1950 - 1950nm SSSS - Specify	12 - 1X2 22 - 2X2	01 - 01/99 02 - 02/98 04 - 04/96 05 - 05/95 10 - 10/90 20 - 20/80 30 - 30/70 50 - 50/50 SS - Specify	PM - PM Panda Fiber SM - SMF-28e Fiber SS - Specify	B - 250um Bare Fiber L - 900um Loose Tube C - 3.0mm Cable	05 - 0.5m 08 - 0.8m 10 - 1.0m 15 - 1.5m SS - Specify	NE - None FA - FC/APC FP - FC/PC SA - SC/APC SP - SC/PC LA- LC/APC LP - LC/PC SS - Specify	F - Fast Axis Blocked B - Both Axis Operating