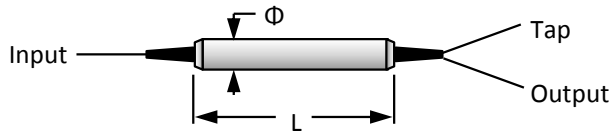


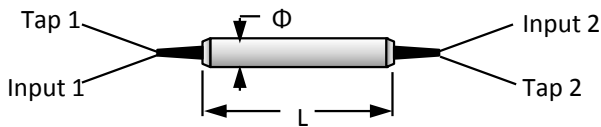
1×2, 2×2 Polarization Maintaining Filter Coupler 1310nm

The 1310nm 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	1310 or customized	nm
Bandwidth	±40	nm
Configuration	1X2 2X2	
Max. Excess Loss	0.7 1.0	dB
Min. Extinction Ratio	20	dB
Max. Uniformity (for 50/50 only)	0.4 0.6	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 SMF-28e Fiber on Tap Port	
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C
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
1310 - 1310nm	12 - 1X2	01 - 01/99	PM - PM Panda Fiber	B - 250um Bare	05 - 0.5m	NE - None	F - Fast Axis
1480 - 1480nm	22 - 2X2	02 - 02/98	SM - SMF-28e Fiber	Fiber	08 - 0.8m	FA - FC/APC	Blocked
1550 - 1550nm		04 - 04/96	SS - Specify	L - 900um Loose	10 - 1.0m	FP - FC/PC	B - Both Axis
1625 - 1625nm		05 - 05/95		Tube	15 - 1.5m	SA - SC/APC	Operating
1650 - 1650nm		10 - 10/90		C - 3.0mm Cable	SS - Specify	SP - SC/PC	
SSSS - Specify		20 - 20/80				LA - LC/APC	
		30 - 30/70				LP - LC/PC	
		50 - 50/50				SS - Specify	
		SS - Specify					