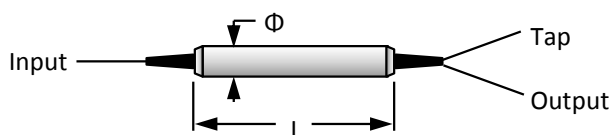


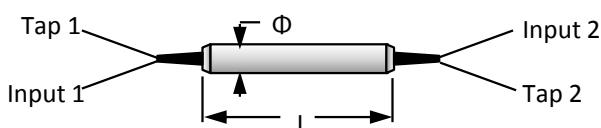
1×2, 2×2 Polarization Maintaining Filter Coupler 830nm

The 830nm 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	830 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
830 - 830nm	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					