

1750nm 1xN 2xN PM Fiber Filter Coupler Module

1750nm 1xN 2xN PM Fiber Filter Coupler Module is built with thin-film filter technology. optical signal power can be splitted into N parts with even or various coupling ratio by the Filter Coupler, it's widely applied in Quantum Communication and Fiber Optic Sensor field, the high power type is available upon request.

Application:

Quantum Communication
Fiber Optic Sensor
Fiber Amplifier
Optical Diffraction System

Features:

Low Excess Loss
High Return Loss
Low Insertion Loss
High Reliability



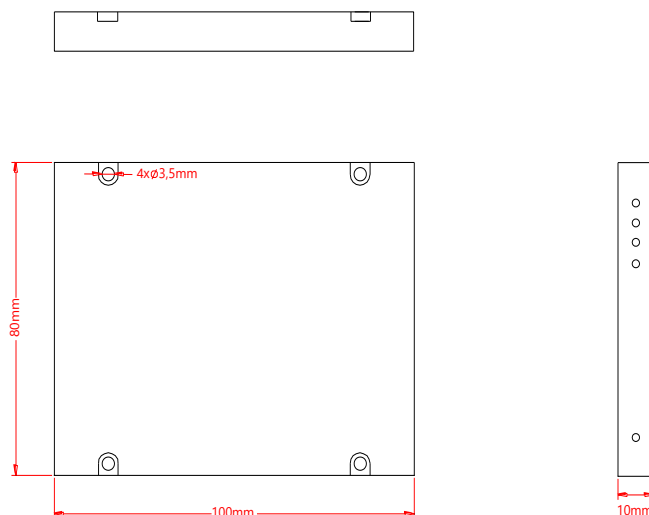
Specification:

Parameter		Symbol	Value	Unit
Center Wavelength		λ	1750	nm
Bandwidth		BW	± 10	nm
Max Insertion Loss	for 1x2, 2x2 Even	IL	3.8	dB
	for 1x4, 2x4 Even		7.8	dB
	for 1x8, 2x8 Even		11.5	dB
	for 1x16, 2x16 Even		14.0	dB
	for 1x32, 2x32 Even		16.2	dB
Min. Polarization Extinction Ratio		ER	18	dB
Min. Directivity			50	dB
Min. Return Loss		RL	50	dB
Max. Optical Power (CW)		P	500 or specify	mW
Max. Tensile Load			5	N
Fiber Type			PM Panda fiber	-
Operating Temperature		T	-40~75	°C
Storage Temperature		T	-40~85	°C
Package Dimension			100x80x10	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, EL will be 0.2dB higher, ER will be 2dB lower, slow axis is default aligned to the connector key

Drawing:



Ordering Information (Part Number):**PMFICM-WWWW-PP-A-RR-J-LL-CC**

WWW	PP	A	RR	J	LL	CC
Wavelength	Port	Working Axis	Coupling Ratio	Fiber Jacket	Fiber Length	Connector
1700 - 1700nm	12 - 1x2	F - Fast Axis Blocked	EV - Even	B - 250um Bare Fiber	05 - 0.5m	NE - None
1720 - 1720nm	22 - 2x2	B - Both Axes Working	SS - Specify	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1750 - 1750nm	14 - 1x4			2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
1760 - 1760nm	24 - 2x4			3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
1780 - 1780nm	18 - 1x8				SS - Specify	SU - SU/APC
SSSS - Specify	28 - 2x8					LA - LC/APC
	116 - 1x16					LU - LC/UPC
	216 - 2x16					SS - Specify
	132 - 1x32					
	232 - 2x32					
	SS - Specify					