

1480nm Mini 1x2 2x2 PM Fiber Filter Coupler

1480nm Mini 1x2, 2x2 Polarization Maintaining (PM) Filter Coupler is built with thin-film filter technology. optical signal power can be splitted into two parts with even or various coupling ratio by the Filter Coupler, it's widely applied in fiber optic transmission and fiber optic sensor field, the high power type is available upon request.

Application:

Optical Signal Transmission
Fiber Optic Sensor
Testing System
Optical Diffraction System

Features:

Low Excess Loss
High Extinction Ratio
Low Insertion Loss
High Reliability



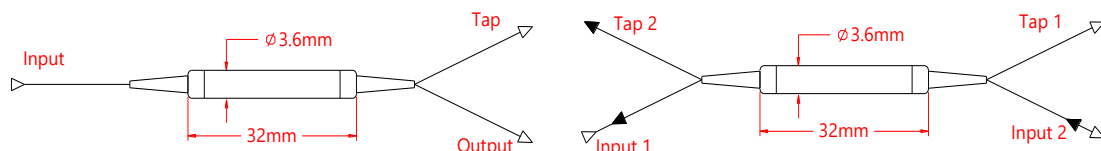
Specification:

Parameter	Symbol	Value	Unit	
Center Wavelength	λ	1480	nm	
Bandwidth	BW	± 40	nm	
Configuration		1x2 2x2	dB	
Max. Excess Loss	EL	0.7 1.0	dB	
Tap Ratio		1 \pm 0.2, 2 \pm 0.4, 3 \pm 0.7, 5 \pm 1, 10, 20, 30, 50	%	
Min. Extinction Ratio	For Both Axes Working	ER	20 18	dB
	For Fast Axis Working	ER	22 22	dB
Min. Directivity		50	dB	
Min. Return Loss	RL	50	dB	
Fiber Type		PM Panda fiber	-	
Max. Tensile Load		5	N	
Max. Optical Power (CW)	P	500	mW	
Operating Temperature	T	0~70	$^{\circ}$ C	
Storage Temperature	T	-40~85	$^{\circ}$ C	
Package Dimension		$\Phi 3.6 \times L32$	mm	

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 $^{\circ}$ C.

For devices with connectors, IL will be 0.3dB higher, ER will be 2dB lower, RL will be 5dB lower.

Drawing:



Ordering Information (Part Number):

MPMFIC- WWW - A - RR - FF - PP - J - LL - CC							
WWW	PP	A	RR	FF	J	LL	CC
Wavelength	Port	Working Axis	Coupling Ratio	Fiber Type on Tap Port	Fiber Jacket	Fiber Length	Connector
1310 - 1310nm	12 - 1x2	F - Fast axis	01 - 1/99	PM - PM Panda Fiber	B - 250um Bare	05 - 0.5m	NE - None
1480 - 1480nm	22 - 2x2	Blocked	02 - 2/98	H7 - HI 780 Fiber	Fiber	10 - 1.0m	FA - FC/APC
1550 - 1550nm		B - Both Axes Working	03 - 3/97	SS - Specify	9 - 900um Loose Tube	15 - 1.5m	FU - FC/UPC
		05 - 5/95				20 - 2.0m	SA - SC/APC
		10 - 10/90				SS - Specify	SU - SU/APC
		20 - 20/80					LA - LC/APC
		30 - 30/70					LU - LC/UPC
		40 - 40/60					SS - Specify
	50 - 50/50						
	SS - Specify						