

PM Fused Coupler 1310nm ~ 1550nm

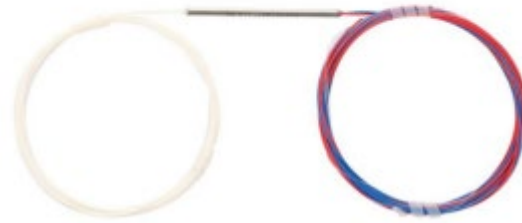
Features:

- Compact Size
- Low Insertion Loss
- High Polarization Extinction Ratio
- High Stability and Reliability



Applications:

- Optical Gyro
- Optical Amplifier
- Optical Sensors
- Optical Networks



Specifications:

Parameters		Specification
Center Wavelength (nm)		1310 or 1550
Channel Spacing (nm)		±15
Insertion Loss (@23°C) (dB)	50/50	≤ 3.8
	30/70	≤ 6.1/2.3
	20/80	≤ 8.1/1.7
	10/90	≤ 11.5/1.2
	5/95	≤ 14.5/0.9
	3/97	≤ 17.1/0.6
	2/98	≤ 18.5/0.5
	1/99	≤ 22.0/0.45
Extinction Ratio (dB)	For CR>10% Port	>20
	For 10% ≥CR>1%Port	>18
	For CR ≤1%Port	\
Directivity (dB)		>50
Return Loss (dB)		>50
Operating Temperature (°C)		-5 ~ +75
Storage Temperature (°C)		-40 ~ +85
Fiber Type		PM1310 or PM1550
Dimensions Ø x L(mm)		Ø 3.0 x 54

Note:

1)The specifications are without connectors. For devices with connectors, IL 0.3dB higher and ER 2dB lower.

2)For device with connectors, key aligns to slow axis is default.

Ordering Information:

FPMC	-	XX	X	X	X	X	X	X
F=Fiberdyne		Fiber Type	Port	Axis Alignment	Package Type	Fiber Diameter	Fiber Length	Connector
P=Polarization		13= PM 1310	1= 1x2	1= Slow Axis Working	1= Steel Tube	0= 250um	0= 0.5m	0= None
M=Maintaining		15= PM 1550	2=2x2	Fast Axis Blocked	H= Heavy Duty	9= 900 um	1= 1.0m	1= FC/UPC
C= Coupler (Fused)				2= Both Axis Working	M= ABS Module	2= 2.0mm	Y= Custom	6=SC/UPC
						3= 3.0mm		7=FC/UPC A=FC/APC B=SC/APC L=LC/UPC N=LC/APC Y=Custom

Note:

1. For device with connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower
2. Fiber diameter 2.0 & 3.0 require package H (90x20x10mm) or M (100x80x10mm)