1x2(2x2) PM Filter Coupler

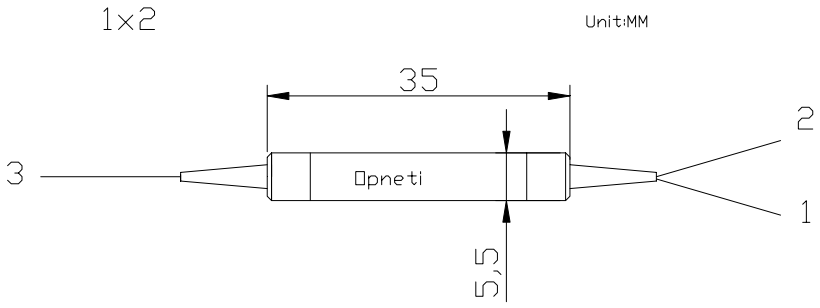
Features
Low Insertion Loss High Extinction Ratio High Isolation High stability and reliability
Application
EDFA Fiber Optical Instrument Power Monitoring Fiber Sensor

Specifications

Parameter \ Type		1 x 2		2 x 2	
Wavelength (nm)		1310, 1550	1064	1310, 1550	1064
Operating Bandwidth (nm)		±40	±20	±40	±20
Excess Loss (dB)		≤0.7	≤0.8	≤1.0	≤1.2
Uniformity (dB)		≥0.4	≥0.5	≥0.6	≥0.8
Coupling Ratio (%)		1/99~50/50			
Extinction Ratio (dB)	Type 2 (Both of axis working)	≥20	≥20	≥18	≥18
	Type 1 (Fast axis blocked)	≥22	≥22	≥22	≥22
Return loss (dB)		≥50			
Power handling (mW)		≤300			
Fiber Type	Tap port 2	SMF-28 or HI 1060 or Panda fiber			
	Port 1 & 3	Panda fiber			
Operating temperature (℃)		-5~+70			
Storage temperature (℃)		-40 ~ +80			
Dimensions (mm)		φ5.5×L35			

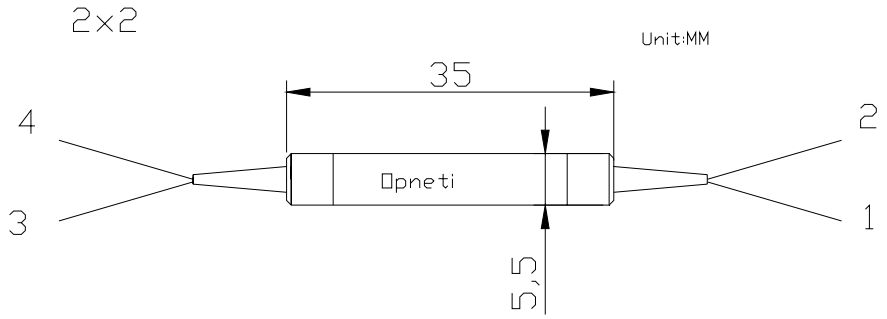
For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower. The default connector key is aligned to slow axis.

Package Dimensions:



Optial Path of Type 1 : Port 3 to Port 1/2, Port 2 is Tap port

Optical path of Type 2: Port 1 to Port 2/3, Port 2 is Tap Port



Optical path of Type 1: Port 1 to Port 3/4, Port 4 is Tap port; Port 3 to port 1/2, port 2 is Tap Port;
Optical path of Type 2: Port 1 to port 2/3, port 2 is tap port; port 3 to port 1/4, port 4 is tap port

Ordering Information

PMFC	Type	Wavelength	Coupling Ratio	Axis Alignment	Pigtail Type	Fiber Type For Tap port	Length	Connector
	1x2 2x2	1064 1310 1550	1/99 2/98 3/97 …… 50/50	1=Fast Axis Blocked 2=Both Axis Working	250=250um bare fiber 900=900um loose tube 3000=3mm loose tube	1=SMF-28e 4=HI1060 5=Panda fiber	0.8= 0.8m	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC XX=Other