

1550nm PM Filter Coupler(Fast axis blocked)

Features

Low Insertion Loss
High Return Loss
High Extinction Ratio
High Reliability
High Stability

Applications

EDFA & Raman Amplifier
Fiber Sensor
Fiber Optical Instrument
Power Monitoring System

Specifications

Parameter	Unit	Value	
Type	-	1x2	2x2
Center Wavelength	nm	1550	
Operating Wavelength Range	nm	±40	
Max. Excess Loss	dB	0.7	1.0
Uniformity (only for 50/50)	dB	0.4	0.6
Min. Extinction Ratio at 23℃	dB	22	
Coupling Ratio	dB	01/99~50/50	
Min. Return Loss	dB	50	
Max. Optical Power(CW)	mW	300	
Max. Tensile Load	N	5	
Fiber Type	Tap Port	-	SMF-28E, Hi1060 or PM Panda fiber
	Port 1 & 3	-	PM Panda fiber
Operating Temperature	℃	-5~+70	
Storage Temperature	℃	-40~+85	

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



Routing path is 3 to 1,2(tap)



Routing path is 1 to 3, 4(tap) & 3 to 1, 2(tap)

Ordering Information

PMFC-1111-2334-555-666-789-AAAA

1111	-Center Wavelength:	1550=1550nm, 1310=1310nm,....., 0850=850nm
2	-Port number:	3=1x2, 4=2x2
33	-Tap ratio:	01=1%, 02=2%,....., 05=5%,....., 50=50%
4	-Axis Alignment:	F=Slow axis working, Fast axis blocked
555	-Fiber Type for Port 1,3:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
666	-Fiber Type for Tap Port:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
7	-Package Dimension:	0=φ5.5x35mm, 2=φ5.5x50mm, S=Specified
8	-Pigtail Type:	0=250μm bare fiber, 1=900μm loose tube
9	-Fiber Length:	0=0.8m, 1=1m
AAAA	-Connector for Port 1,2,3,4:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC