PM Filter Coupler

Features

- Low Insertion Loss
- High Return Loss
- High Extinction Ratio

Applications

- EDFA & Raman Amplifier
- Fiber Sensor
- Fiber Optical Instrument

Specifications

Parameter		Unit	Value			
Type		-	1x2		2x2	
Center Wavelength		nm	1310,1550	1064	1310,1550	1064
Operating Wavelength Range		nm	±40	±20	±40	±20
Max. Excess Loss		dB	0.7	0.8	1.0	1.2
Uniformity (only for 50/50)		dB	0.4	0.5	0.6	0.8
Coupling Ratio		dB	01/99~50/50			
Min. Extinction Ratio at 23℃	Both axis working	dB	20	20	18	18
	Fast axis blocked	dB	22			
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 3 to 1,2(tap)

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

Both axis working

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

Slow axis working, Fast axis blocked

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:	B=Both of axis working, 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:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
7	-Package Dimension:	0=φ5.5x35mm, 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, N=None