

780-1550nm Polarization maintaining filter coupler(1x2/2x2)

Features

- Low insertion loss
- High return loss
- High extinction ratio

Application

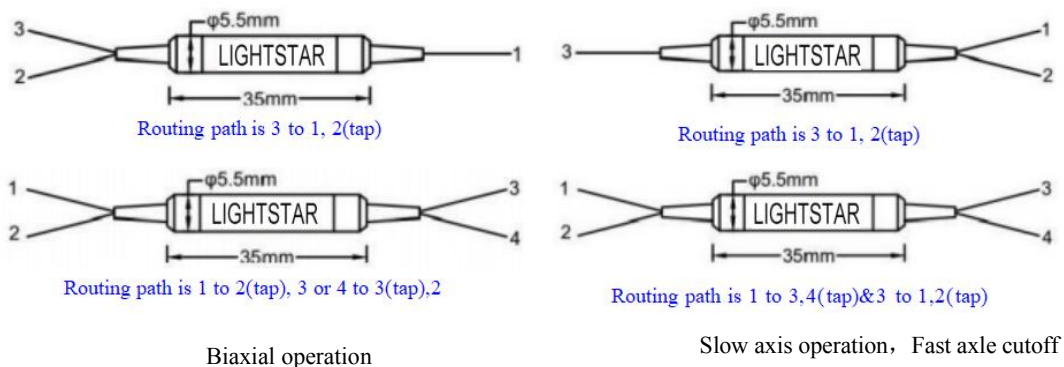
- Erbium doped fiber amplifiers & Raman fiber amplifier
- Fiber sensing & Fiber lasers
- Fiber optic instrumentation & Underwater laser communication

Specifications

parameter	unit	Numerical value					
		1x2			2x2		
Type							
Center wavelength	nm	1550,1310	1064, 980	850,780	1550,1310	1064,980	850,780
Working wavelength range	nm	±40	±20	±10	±40	±20	±10
Maximum additional loss	dB	0.7	0.8	0.8	1.0	1.2	1.2
Uniformity (only to 50/50)	dB	0.4	0.5	0.6	0.6	0.8	0.8
Splitting ratio	dB	01/99~50/50					
Minimum extinction ratio	Biaxial operation	dB					
	Fast axle cutoff	dB					
Minimum return loss	dB	50					
Maximum optical power(CW)	mW	500					
Maximum tensile load	N	5					
Fiber type	input&output	PM Panda fiber					
	Tap port	PM Panda fiber or 780-HP, HI1060, SMF-28e					
Operating temperature	°C	-5~+70					
Storage temperature	°C	-40~+85					

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

Package dimensions



Biaxial operation

Slow axis operation, Fast axle cutoff

Ordering information

PMFC-①①①①-②-③③-④-⑤-⑥-⑦-⑧

①①①①: Operating wavelength
 1550=1550nm
 2000=2000nm
 SSSS=Specify

②: Port type
 1=1x2
 2=2x2

③: Beam splitting end splitting ratio
 01=1%
 05=5%
 SS=Specify

④: Working axis
 B= Both axis working
 F= Fast axis blocked

⑤: Package dimensions
 0= φ5.5x35mm
 S=Specify

⑥: Pigtail type
 1=250um bare fiber
 2=900um loose tube
 S=Specify

⑦: Length
 H=0.5m
 1= 1.0m
 S=Specify

⑧: Connector
 0=None
 1=FC/UPC
 2=FC/APC
 S=Specify