

780-1550nm Polarization-maintaining Filter Type Coupler(1x2/2x2)

Features

- Low insertion loss
- High extinction ratio
- Excellent environmental stability

Application

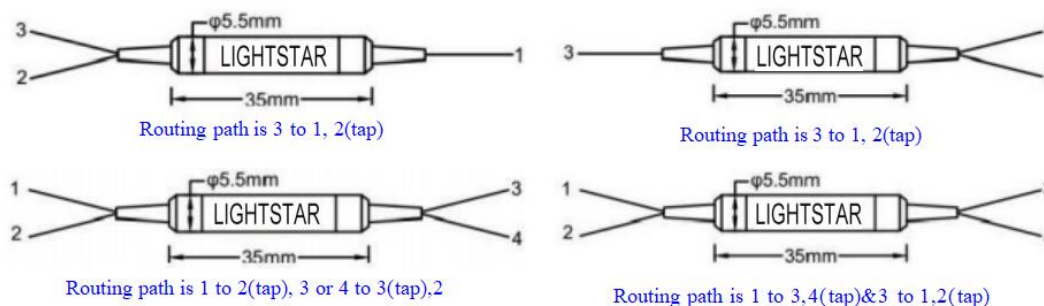
- Fiber optic instrument
- Optical fiber amplifier
- Optical fiber sensing

Specifications

Parameter		Unit	Value					
Type			1x2			2x2		
Central wavelength		nm	1550,1310	1064, 980	850,780	1550,1310	1064,980	850,780
Operating 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 to50/50)		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	20					
	Fast axle cutoff	dB	22					
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



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

③③: Beam split port 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