

2000nm Polarization-maintaining Coupler

Features

High return loss
Low insertion loss
High stability and reliability

Application

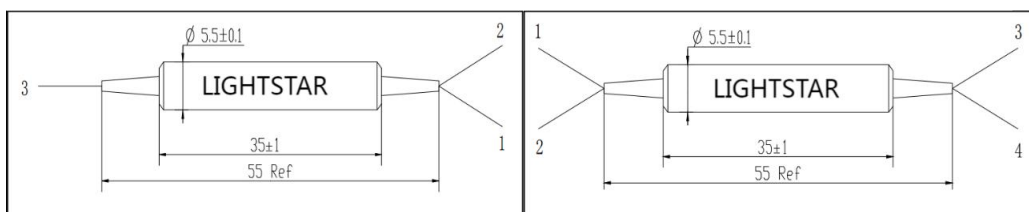
Optical fiber amplifier
Optical fiber sensing
Fiber laser

Specifications

Parameter	Unit	Value	
port type		1x2	2x2
Central wavelength	nm	2000	
Bandwidth	nm	±50	
Additional losses	dB	1.2	1.5
Uniformity(only for 50/50)	dB	0.8	1.0
Splitting ratio (Port 2/4)		1±0.3%, 2±0.6%, 5±1.2%, 10%, and 50%	
Minimum return loss	dB	50	
Minimum extinction ratio(only for F type)	dB	20	18
Minimum extinction ratio(only for B type)	dB	18	16
Power(CW)	mW	500 (only for splitter)	
Maximum tensile load	N	5	
Fiber type		PM 1550 or PM 1950 Fiber on Port 1 & Port 3	
Operating temperature	°C	-5 to +70	
Storage temperature	°C	-40 to +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