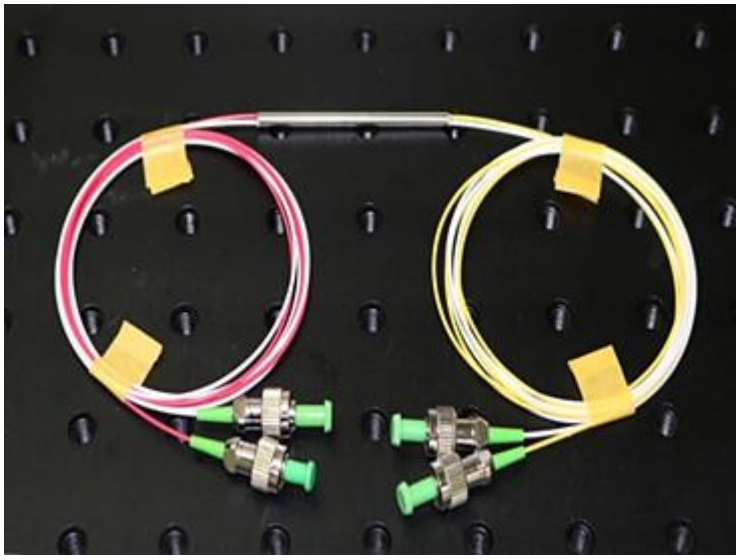
2575 2000nm 1x2 single mode Fiber Coupler



Product Description

MP-FBC-W2000 series single-mode fiber coupler is a coupler for mid-infrared band splitting developed and produced by our single-mode fiber fused taper machine IPCS-5000-SMT. It has excellent performance and can cover the entire communication band (1900-2220nm). At the same time, we can provide customers with more cost-effective narrow-band couplers with a central wavelength of 1950nm, 2004nm, 2050nm, and 2327nm with a bandwidth of ±20 nm. The maximum power of our coupler with connector or bare fiber is 500 mW. We have 50:50, 75:25, 90:10 or 99:1 coupling ratio

couplers for customers. Our 2x2 couplers are based on the fused taper process, so they are bidirectional, and any port can be used as the input

• Product features

Mid-infrared (MIR) band optimization 、 High power handling 、 Precise splitting ratio control、Low insertion loss、Environmental stability

• Part Number

MP-FBC-2000-A-1-25/75-SA

• Application area

Visible light communication、 Power monitoring、 Optical splitter、 Test equipment

• Core parameters

Central wavelength	Coupling ratio	Port Structure
2000nm	25:75	1X2

• General Parameters

Parameters

Parameter of MP-FBC-W2000	
Central wavelength	1900-2400nm
Bandwidth	±20nm

Insertion loss	<3.8dB
Return loss	>55dB
Fiber type	SM1950
Operating power	500mw
Connector	FC/APC or FC/PC
Operating temperature	-10-+70℃
Storage temperature	-45-+85℃
PDL	⩽ 0.15 dB
Uniformity	⩽ 1.0 dB
Dimension	
Package size	3.0mm (Φ) x 60.0mm (L)
Pigtail length	1m
Whether charging is working	No

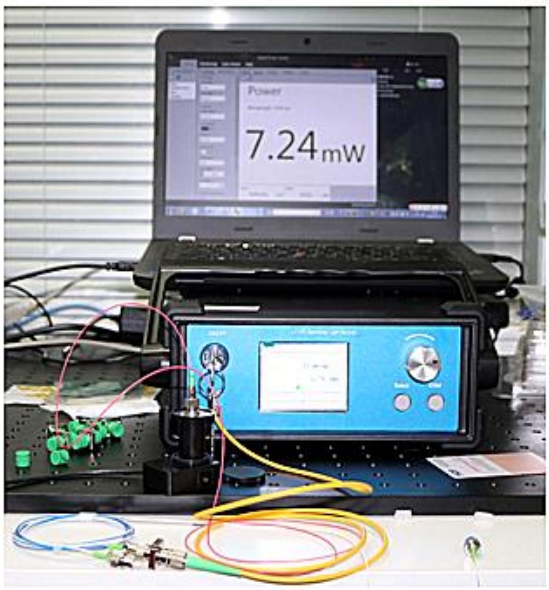
Note:

1. All test results do not include joints

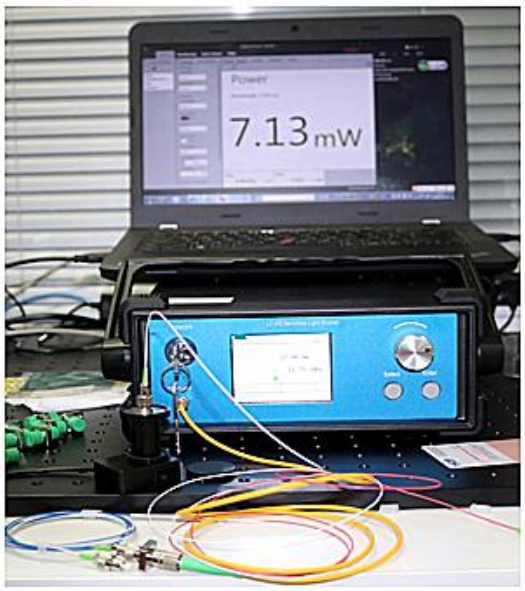
2. We can accept customization for better parameters or other requirements

Single point data test 2X2, 50:50, full-band single-mode fiber coupler (broadband SLD center wavelength 1950nm, spectrum width: 125nm 15mw single-mode SLD laser test as an example)

MP-FBC-W2000Red port@ 1950nm



MP-FBC-W2000White port@ 1950nm



Ordering information

MP-FBC - W□□□□-A-S○-CR▽-XX

W□□□□: Wavelength

1310:1310nm

1392:1392nm

1512:1512nm

1532:1532nm

*****

1550:1550nm

1650-1650nm

1216:1260-1620nm

1742:1742nm

1950:1950nm

2004:2004nm

A：500mW

S○：Port Structure

1:1x2

2:2x2

CR▽:

01/99: 1:99

10/90: 10:90

25/75:25:75

50/50: 50:50

XX: Fiber and Connector Type

SA=SMF-28E+ FC/APC

SP=SMF-28E+ FC/PC

PA=PM Fiber+ FC/APC

PP=PM Fiber+ FC/PC