

## 0199 2000nm 2x2 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  $\pm 20$  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-2-01/99-SA

## ● Application area

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

## ● Core parameters

Central wavelength	Coupling ratio	Port Structure
2000nm	01:99	2X2

## ● General Parameters

Parameters

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



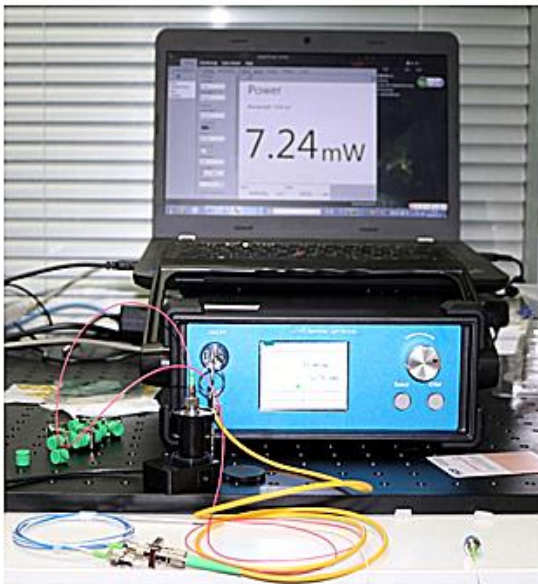
Insertion loss	<3.8dB
Return loss	>55dB
Fiber type	SM1950
Operating power	500mw
Connector	FC/APC or FC/PC
Operating temperature	-10-+70°C
Storage temperature	-45-+85°C
PDL	≤ 0.15 dB
Uniformity	≤ 1.0 dB
<b>Dimension</b>	
Package size	3.0mm (Φ) x 60.0mm (L)
Pigtail length	1m
Whether charging is working	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

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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**