

50:50 2000nm 2x2 single mode Fiber Coupler



● Product Description

NIR-FBC-W1922 MIR series single-mode fiber couplers are developed and produced based on our single-mode fiber fused taper machine IPCS-5000-SMT. They are used for white light band splitting. They have excellent performance and can cover the entire white light band (1900-2220nm). At the same time, we can provide customers with more cost-effective narrowband couplers with a central wavelength of 1950nm, 2004nm, 2050nm and 2327nm. The bandwidth is $\pm 20\text{nm}$. The maximum power of our couplers with connectors or bare fibers is 500mW. We have a variety of coupling ratios of 50:50, 75:25, 90:10 or 99:1 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.

● Part Number

NIR-FBC-W2000-S22-CR5050-1-9-SA

● Product features

Fused fiber couplers for 1900-2400nm、 50:50, 75:25, 90:10, or 99:1 coupling ratios、 Bidirectional coupling (either end can be used as input)、 2.0 mm narrow key FC/PC or FC/APC connectors、 Each broadband coupler comes with its own test report

● Application area

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

Parameters

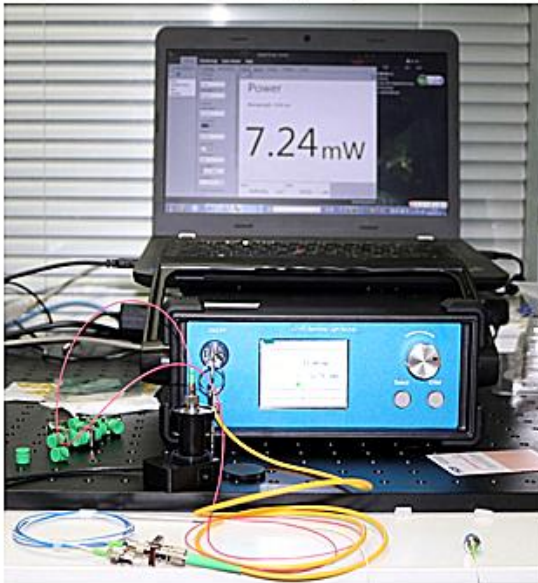
NIR-FBC-W1922 parameter	
Central wavelength	1900-2400nm
Bandwidth	± 20 nm
Insertion loss	< 3.8 dB
Return loss	> 55 dB
Fiber type	SW1950
Operating power	500mw
Connector	FC/ APC or FC/ PC
Operating temperature	-10 -+70 °C
Storage temperature	-45 -+85 °C
PDL	≤ 0.15 dB
Uniformity	≤ 1.0 dB
Dimension	
Package size	3.0mm (Φ) x 60.0mm (L)
Pigtail length	1m
Is charging working	No

Note:

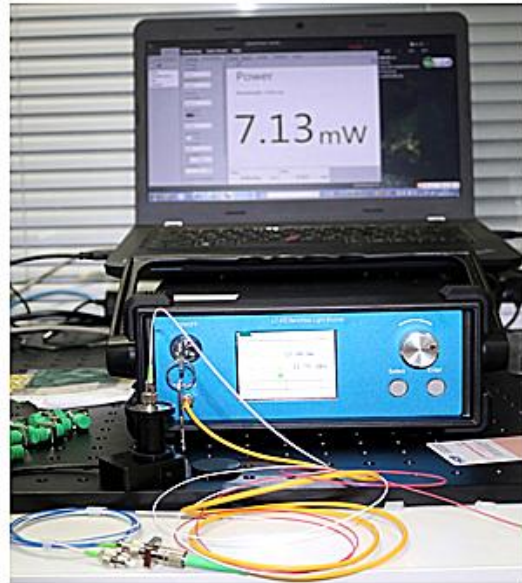
1. All test results do not include connectors.
2. We can accept customization for better parameters or other requirements

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)

NIR-FBC-W1922 red port@1950nm



NIR-FBC-W1922 white port@1950nm



Ordering information

VISW-FBC - W□□□□-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

S ○ : Port Structure

12: 1x2

22: 2x2

CR▽ :

0199: 1 : 99

1090: 10: 90

2575: 25: 75

5050: 50: 50

☆ : Pigtail Length

05: 0 . 5m

1: 1m

10: 10m

△: Loose Tube

B: Bare Fiber

9 : 900um Loose Tube

20: 2mm Loose Tube

30: 2mm Loose Tube

XX: Fiber and Connector Type

SA=SW-28E+ FC/APC

SP=SW-28E+ FC/PC

PA=PM Fiber+ FC/APC

PP=PM Fiber+ FC/PC