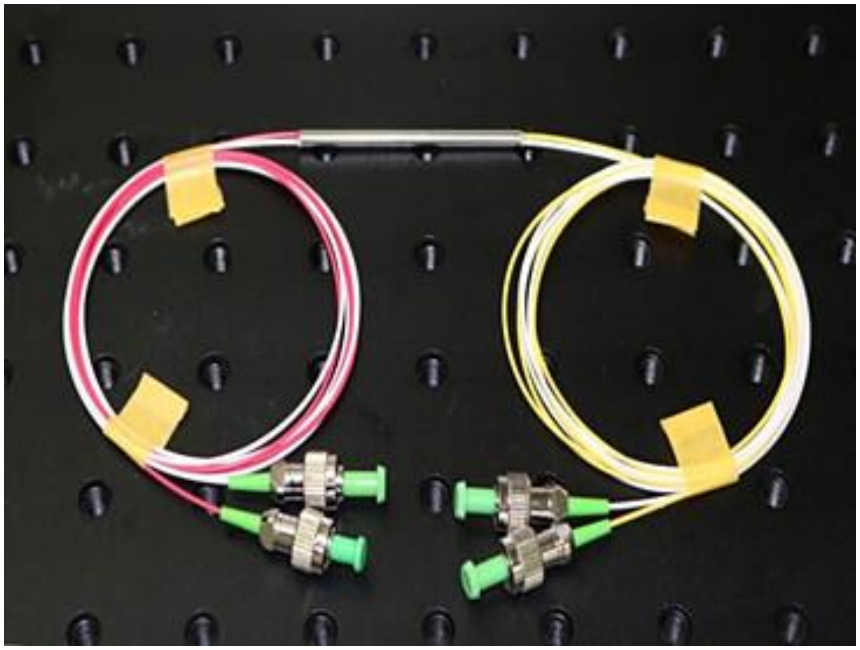
50:50 2000nm 1x2 single mode Fiber Coupler



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 ±20nm. 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-S12-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

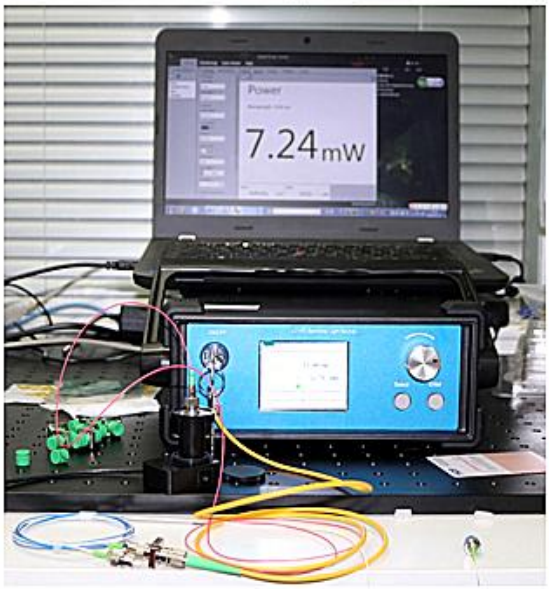
NIR-FBC-W1922 parameter	
Central wavelength	1900-2400nm
Bandwidth	±20 nm
Insertion loss	＜3 . 8dB
Return loss	> 55dB
Fiber type	SW1950
Operating power	500mw
Connector	FC/ APC or FC/ PC
Operating temperature	-10 -+70 ℃
Storage temperature	-45 -+85 ℃
PDL	≤0 . 15 dB
Uniformity	≤1 . 0 dB
Dimension	
Package size	3 . 0mm (Φ) x 60 . 0mm (L)
Pigtail length	1m
Is charging working	No

Note:

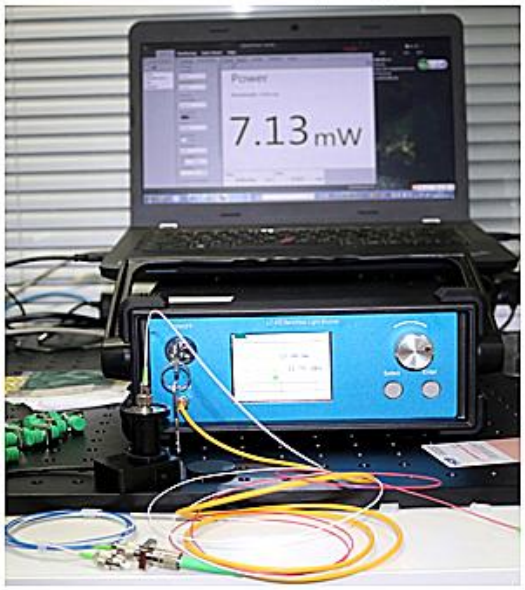
1. All test results do not include connectors.
2. We can accept customization for better parameters or other requirements

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