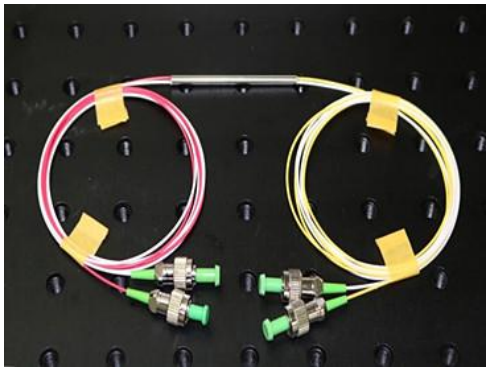
50:50 2x2 single mode Fiber Coupler 1030nm



Product Description

NIR-FBC-W1216 NIR series single-mode fiber coupler is a coupler for near-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 (1260-1620nm). At the same time, we can provide customers with more cost-effective narrowband couplers with a central wavelength of 1310nm, 1392nm, 1480nm, 1512nm, 1550nm, 1650nm, 1742nm with a bandwidth of ±20nm. The maximum power of our coupler with connector or bare fiber is 500mW. 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.

Part Number

NIR-FBC-W1030-S2-CR5050-1-9-SA

Product features

Fused fiber couplers for 1260-1620nm、 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

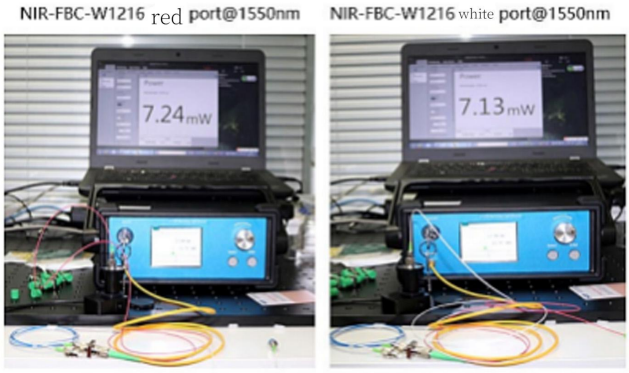
Parameters

Parameters

NIR-FBC-W1216 parameter	
Central wavelength	1030nm
Bandwidth	360 nm
Insertion loss	＜3.8dB
Return loss	>55dB
Fiber type	SMF-28E
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 1550nm, spectrum width: 125nm 15mw single-mode SLD laser test as an example)



Ordering Info:
NIR-PMFBC - W□□□□-S○-CR▽-☆-△-XX-□□

W□□□□：Wavelength

1064:1064nm
1310:1310nm
1392:1392nm
1512:1512nm
1532:1532nm
*****
1550:1550nm
1650:1650nm
1742:1742nm

SO ：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: 3mm Loose Tube
XX: Fiber and Connector Type
PA=PM Fiber+ FC/APC
PP=PM Fiber+ FC/PC
PN=None No connector.