

01:99 1x2 Full Band Single Mode Fiber Coupler



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-W1550-S1-001999-1-9-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

Main Parameters:

NIR-FBC-W1216	
Central wavelength	1260-1620nm
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°C
Storage temperature	-45-+85°C
PDL	≤ 0.15 dB
Uniformity	≤ 1.0 dB
Dimension information	
Package size	3.0mm (Ф) x 60.0mm (L)
Pigtail length	1m
Operate whether charging	No









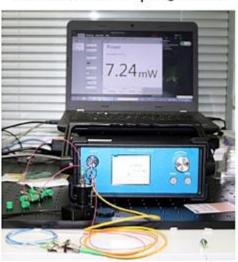
Note: 1. All test results do not include joints

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 1550nm, spectrum width: 125nm 15mw single-mode SLD laser test as an example)

NIR-FBC-W1216 red port@1550nm





NIR-FBC - W□□□□-S○-CR▽-☆-△-XX W□□□□:

Wavelength

1310:1310nm

1392:1392nm

1512:1512nm

1532:1532nm

1550:1550nm

1650-1650nm

1216:1260-1620nm

1742:1742nm

So: Port Structure

12:1x2

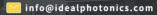
22:2x2

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: 2mm Loose Tube

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

