

50:50 2x2 880nm single mode Fiber Coupler



● Product Description

VISW-FBC-W8492 VISW 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 (840-9220nm). At the same time, we can provide customers with more cost-effective narrowband couplers with a central wavelength of 840nm (OCT application field), 880nm, and 915nm (LiDAR application field). 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

VIS-FBC-W880-S22-CR5050-1-9-SA

● Product features

Fused fiber couplers for 84-920nm 、 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

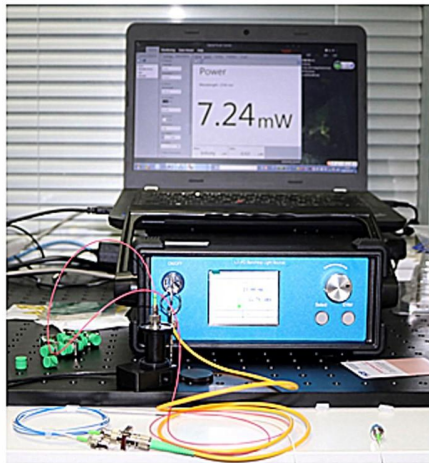
Parameters

NIR-FBC-W8492 parameter	
Central wavelength	840-920nm
Bandwidth	80 nm
Insertion loss	<3 . 8dB
Return loss	> 55dB
Fiber type	SW780
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

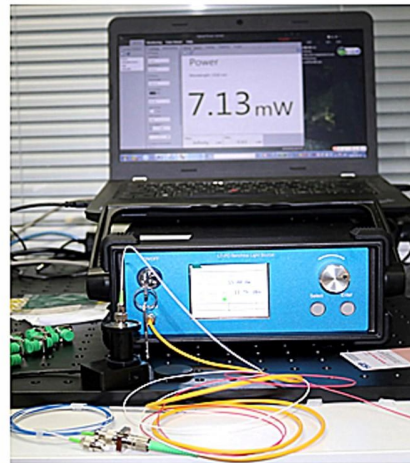
Note: 1. All test results do not include connectors.
 2. We can accept customization for better parameters or other requirements

Single point data test 2X2, 50:50, full-band single-mode fiber coupler (broadband SLD center wavelength 910nm, spectrum width: 45nm 15mw single-mode SLD laser test as an example)

VIS-FBC-W8591 red port@910nm



NIR-FBC-W1216 whiteport@910nm



Ordering information

VISW-FBC - W□□□□-S○-CR▽-☆-△-XX

W□□□□: Wavelength

850: 850nm

915: 915nm

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=SW780+ FC/APC
SP=SW780+ FC/PC
PA=PM850+ FC/APC
PP=PM850r+ FC/PC