

50:50 470nm 1x2 SM Fiber Optic Coupler



● Product Description

VIS-FC-W0633 VISIBLE series single-mode fiber couplers are developed and produced based on our single-mode fiber fusion taper machine IPCS-5000-SMT. They are used for visible light band splitting. They have excellent performance. We can provide customers with narrowband couplers with central wavelengths of 405nm, 488nm, 532nm, 633nm, and 650nm. The bandwidth is ± 20 nm. The Max. power of our couplers with connectors or bare fibers is 500 mW. We have 50:50, 75:25, 90:10 or 99:1 coupling ratio couplers for customers. Our 2x2 couplers are based on the fusion taper process, so they are bidirectional, and any port can be used as the input.

● Part Number

VIS-FC-W0840-S12-CR5050-1-9-SA

● Product features

Fused fiber couplers for 405nm 488nm 532nm 633 nm、 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

Technical Parameters

VIS-FC-650 Parameters	
Spectral	
Central Wavelength	650 nm
Bandwidth	±20 nm
Insertion Loss	<3 .7 dB
Return Loss	> 55dB
Fiber Type	630-HP/S M600
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 (Φ) x 60 .0mm (L)
Pigtail Length	1m
Rechargeable	No

Note:

1. All test results do not include connectors.
2. Better parameters or other requirements can be customized.

Single-point data testing 1X2, 50:50 (633nm, 5mW single-mode fiber optic coupler laser testing as an example)

VIS-FC- W0633-633nm black port

VIS-FC- W0633-633nm white port


Ordering Info

VIS-FC-W□□□□-S○-CR▽-☆-△-XX

W□□□□: Wavelength

0405: 405nm

0488: 488nm

0532: 532nm

0633: 633nm

0650: 650nm

S○: Port Structure

12: 1x2

22: 2x2

13: 1x3

33: 3x3

CR▽: Coupling Ratio

0199: 1:99

1090: 10:90

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 = PMFiber + FC/APC

PP = PMFiber + FC/PC