

1:99 633nm 1x2 PM Fiber Optic Coupler



● Product Description

The VIS-FC-W0633 VISIBLE series single-mode fiber optic coupler is developed and produced based on our single-mode fiber fusion splice machine IPCS-5000-SMT. It is designed for light splitting in the visible wavelength range with excellent performance. We can offer couplers with central wavelengths of 405nm, 488nm, 532nm, 633nm, and 650nm, with a narrow bandwidth of ± 20 nm. Our couplers have a maximum power rating of 500mW when used with connectors or bare fiber. We offer various coupling ratios such as 50:50, 75:25, 90:10, or 99:1 for customer selection. Our 2x2 couplers, based on the fusion splicing process, are bidirectional, meaning any port can be used as the input.

● Part Number

VIS-FC-W0633-S12-CR0199-1-9-PA

● Product features

Fusion fiber optic coupler, used for 405nm, 488nm, 532nm, 633nm、 Coupling ratios: 50:50, 75:25, 90:10, or 99:1、 Bidirectional coupling (either end can be used as the input)、 2.0mm narrow-key FC/PC or FC/APC connectors、 Each broadband coupler is accompanied by its own test report

● Application area

Visible light communication、 Power monitoring、 Optical power splitting、 Testing instruments

Technical Parameters

VIS-FC-633 Parameters	
Spectral	
Central Wavelength	633 nm
Bandwidth	± 20 nm
Insertion Loss	< 3.7 dB
Return Loss	> 55 dB
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