

50:50 470nm 1x2 SM 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 ±20nm. 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-W0470-S12-CR5050-1-9-SA

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

Parameters

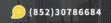
Technical Parameters

VIS-FC-650 Parameters	
Spectral	
650 nm	
±20 nm	
<3 .7 dB	
> 55dB	
630-HP/S M600	
500mw	
FC/APC or FC/PC	
-10 -+70 °C	
-45 -+85 °C	
≤ 0.15 dB	
≤ 1.0 dB	
3 .0mm (Φ) x 60 .0mm (L)	
1m	
No	

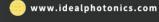
Note:

- 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)













Ordering Info

VIS-FC-W□□□□-S○-CR▽-☆-△-XX

W□□□: Wavelength

0405: 405nm 0488: 488nm 0532: 532nm 0633: 633nm 0650: 650nm

SO: 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





