1:99 650nm 1x2 Single-mode 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-W0650-S12-CR0199-1-9-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

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 ℃
Storage Temperature	-45 -+85 ℃
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