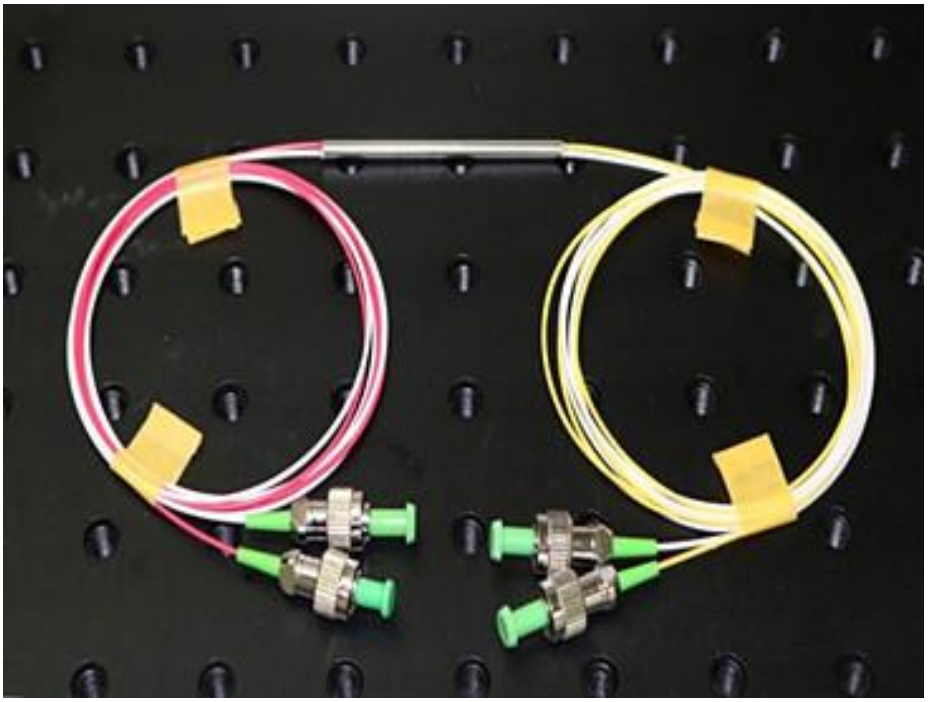
110:90 1x2 full-band high-power single-mode Fiber Coupler



Product Description

NIR-HPFBC-W1216 NIR 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 1310nm, 1392nm, 1480nm, 1512nm, 1550nm, 1650nm and 1742nm. The bandwidth is ±20 nm. The Max. power of our couplers with connectors or bare fibers is 10 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

NIR-HPFBC-W1216-S1-CR1090-1-9-SA-M

Product features

Fused fiber couplers for 1260-1620nm、 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、 Small size, high power handling

Application area

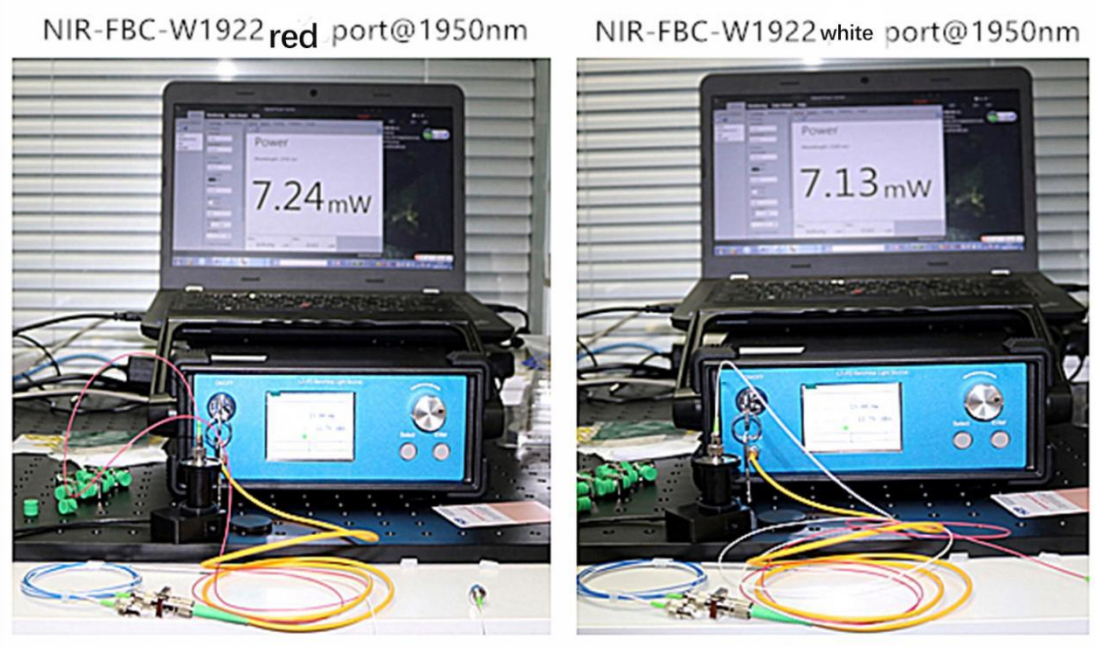
Visible light communication、 Power monitoring、 Optical splitter、 Test equipment

Parameters

Product structure		Unit	1×2	2×2
Product type		Full-band high-power fiber couple		
Operating wavelength		nm	1260-1620	
Operating bandwidth		nm	360	
Max. Insertion loss	50/50	%	3.80/3.80	
	40/60	%	5.10/3.10	
	20/80	%	8.30/1.60	
	10/90	%	11.50/1.05	
	5/95	%	14.60/0.80	
	2/98	%	18.80/0.70	
	1/99	%	22.50/0.65	
PDL		dB	≤0.15	
Return loss		dB	≥50.00	

Direction	dB	⩾55.00	
Operating temperature	Deg.	-5~75	
Storage temperature	Deg.	-40~85	
Fiber length	m	1.00±0.10	
Fiber type		G657A1/Customized	
Max. Operating power	W	10W	
Package dimension	mm	3×54	75×12×8

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 1950nm, spectrum width: 125nm 15mw single-mode SLD laser test as an example)



Ordering Info:

NIR-HPFBC - W□□□□-S○-CR▽-☆-△-XX-□□
W□□□□：Wavelength
1310:1310nm
1392:1392nm
1512:1512nm
1532:1532nm
*****
1550:1550nm
1216:1260-1620nm
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=SMF-28E+ FC/APC
SP=SMF-28E+ FC/PC
PA=PM Fiber+ FC/APC
PP=PM Fiber+ FC/PC
□□：Package
T:Tube 3x54mm
M：Module 75x12x8mm