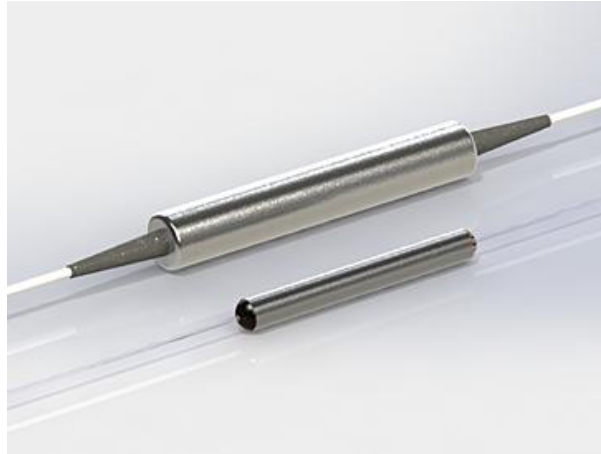


1×2/2×2 single-window broadband fiber optic coupler at 780nm



● Product Description

The 780nm fused-taper single-window broadband fiber coupler (also called FBT Coupler) produced by Idealphotonics can couple the optical signal transmitted in the optical fiber in the coupling area of the special structure to redistribute the optical power. It can be monitored in real time as needed and can produce unequal splitters in single-window, double-window and triple-window forms. Fused-taper splitters are widely used in fiber lasers, communication systems and OCT systems.

● Part Number

SBS-780-12/22-5050- 1-B-SA-54T

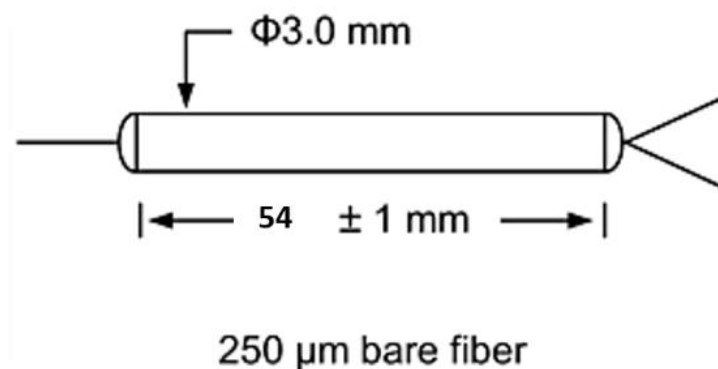
● Product features

Low additional loss、 Multiple coupling ratios、 Compact size、 High stability and reliability

● Application area

Fiber laser、Fiber sensor、OCT medical field、Optical communication field、Fiber instrument inspection, etc

Dimensional Drawing



Parameters

Parameter		Unit	Indicator
Port		/	1×2/2×2
Operating wavelength		nm	780
Operating bandwidth		nm	±50
Insertion loss	50/50	dB	≤3.80
	40/60	dB	≤4.80/2.80
	30/70	dB	≤6.10/2.0
	20/80	dB	≤8.0/1.30
	10/90	dB	≤12.0/0.80
	5/95	dB	≤18.40/0.50
	3/97	dB	≤19.50/0.40
	2/98	dB	≤20.0/0.30
	1/99	dB	≤22.0/0.30
	0.5/99.5	dB	≤24.0/0.30
Uniformity②		dB	≤0.1.0
Carrying power		W	5
Polarization dependent loss		dB	≤0.15
Return loss		dB	≥50
Directionality		dB	≥50
Operating temperature		℃	-40~+85

Storage temperature	°C	-40~+85
Fiber length	m	≥1 or Customized
Fiber type	/	HI 780 Fiber
Package specification	mm	3.0×54 or Customized

Note:

①The above parameters do not include connector parameters. If you need to add a connector, you need to add 0.20dB.

②Uniformity is a parameter indicator only for 50% of the products

Ordering information

SBS-W□□□□-S○-CR▽-☆-△-XX

W□□□□: Wavelength

78: 780nm

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 Cable

30: 3mm Cable

XX: Fiber and Connector Type

SA=SW780+ FC/APC

SP=SW780+ FC/PC

□□: Package

54T: Tube 3×54

45T: Tube 3×45

M:Module 90×16×10