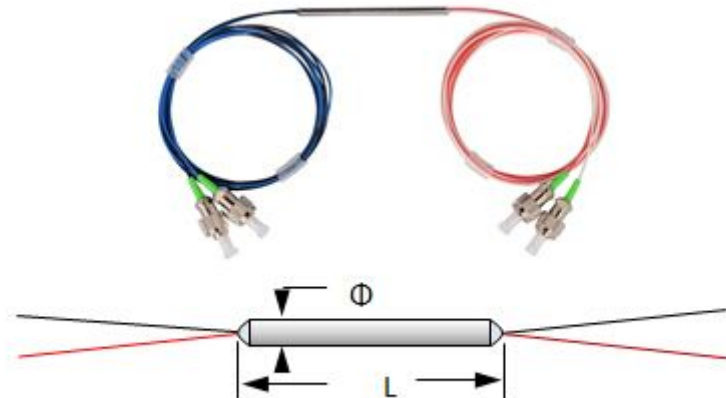


## 1310±70nm OCT Broadband Fiber Optic Couplers

Wavelength: 1310nm or Custom Wavelength  
Handling Power: 1W or Custom Handling Power  
Fiber Type: Single Mode Fiber



### Description

The 2×2 1310±70nm Broadband Single Mode Fiber Optic Coupler is built by using fused biconical taper (FBT) technology. It can be used to split the input signal at various ratios with low insertion loss. It's designed for wideband operation and ideal for Optical Coherence Tomography OCT systems.

### Feature

- Low Excess Loss
- High Reliability & Stability
- Various Coupling Ratio

### Application

- Instrument
- OCT
- Fiber Sensor
- Lab & Research

### Specification

Parameter		Value	Unit
Configuration		2X2	
Center Wavelength		1310 or customized	nm
Bandwidth		±70	nm
Typ. Excess Loss		0.5	dB
Max. Insertion Loss	50/50	3.8/3.8	dB
	40/60	5.0/3.0	dB
	30/70	6.4/2.2	dB
	20/80	8.2/1.7	dB
	10/90	11.7/0.95	dB
	5/95	14.7/0.7	dB
	3/97	17.0/0.6	dB
	2/98	18.7/0.55	dB
	1/99	22.1/0.49	dB
Max. PDL		0.2	dB
Min. Directivity		55	dB
Min. Return Loss		50	dB
Fiber Type		Corning SMF-28e Fiber	
Operating Temperature		-40 to +80	°C
Storage Temperature		-50 to +85	°C
Package Dimension		Φ3.0×L54	mm

\* Above specifications are for device without connectors.

\* Please tell us to confirm if you have special requirement of the fiber length tolerance

## Ordering information

### SMBC-AAAA-BB-CC-DD-E-FF-GG

AAAA	BB	CC	DD	E	FF	GG
Wavelength	Port	Coupling Ratio	Fiber Type	Fiber Jacket	Fiber Length	Connector
1310 - 1310nm	22 - 2X2	01 - 01/99	SM - SM-28e Fiber	B - 250um Bare	05 - 0.5m	NE - None
SSSS - Specify	12 - 1X2	02 - 02/98	SS - Specify	Tube	08 - 0.8m	FA - FC/APC
	SS - Specify	04 - 04/96		L - 900um Loose	10 - 1.0m	FP - FC/PC
		05 - 05/95		Tube	15 - 1.5m	SA - SC/APC
		10 - 10/90		C - 3.0mm Cable	20 - 2.0m	SP - SC/PC
		20 - 20/80			SS - Specify	LA - LC/APC
		30 - 30/70				LP - LC/PC
		50 - 50/50				SS - Specify
		SS - Specify				