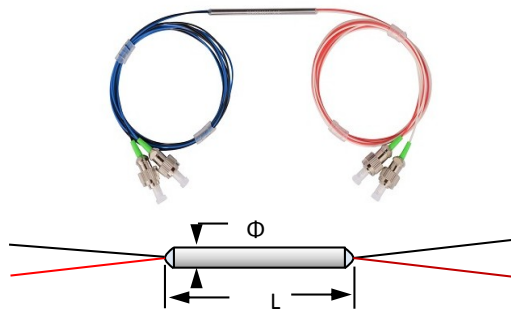


## 2x2 SM Broadband Fused Coupler 1050 1060 1064nm

The 2x2 1050nm 1060 1064±50nm Broadband Single Mode Fused Couplers are 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.



### Features

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

### Applications

- Instrument
- OCT
- Fiber Sensor
- Lab & Research

### Performance Specification

Parameter	Value	Unit	
Configuration	2X2		
Center Wavelength	1050, 1060, 1064 or customized	nm	
Bandwidth	±50	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 HI 1060 Flex		
Operating Temperature	-40 to +80	°C	
Storage Temperature	-50 to +85	°C	
Package Dimension	Φ3.0×L54	mm	

### Note

\* 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
1050 - 1050nm	22 - 2X2	01 - 01/99	H6 - HI 1060 Flex Fiber	B - 250um Bare	05 - 0.5m	NE - None
1060 - 1060nm	12 - 1X2	02 - 02/98	SS - Specify	Tube	08 - 0.8m	FA - FC/APC
1064 - 1064nm	SS - Specify	04 - 04/96		L - 900um Loose	10 - 1.0m	FP - FC/PC
SSSS - Specify		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				