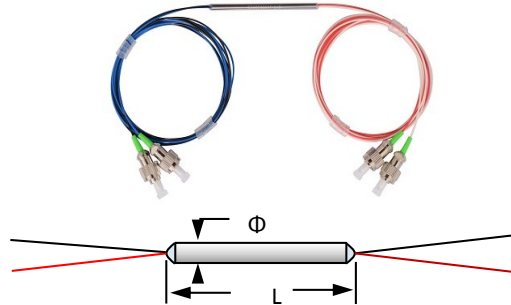


2x2 SM Broadband Fused Coupler 1310nm

The 2x2 1310±70nm Broadband Single Mode Fused 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.



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	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	

Note

* Above specifications are for device without connectors.

* Please tell to 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 SS - Specify	02 - 02/98	SS - Specify	T - 900um Loose Tube C - 3.0mm Cable	08 - 0.8m	FA - FC/APC
		04 - 04/96			10 - 1.0m	FP - FC/PC
		05 - 05/95			15 - 1.5m	SA - SC/APC
		10 - 10/90			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				