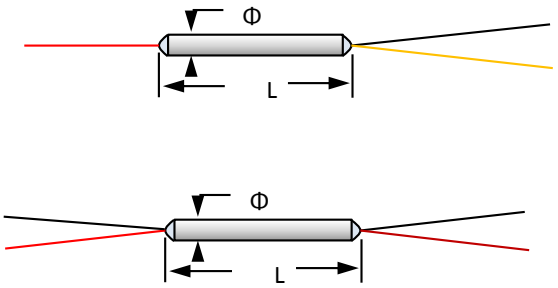
1×2, 2×2 SM Fused Fiber Optic Coupler

The 2000nm (2 micron, 2μm) 1×2, 2×2 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.



Features

Low Excess Loss
High Reliability & Stability
Various Coupling Ratio

Applications

Fiber Instrument
Fiber Sensor
Lab & Research

Performance Specification

Parameter		Value	Unit
Configuration		1X2, 2X2	
Center Wavelength		1700, 1950, 1970, 2000 or customized	nm
Bandwidth		±20	nm
Max. Excess Loss		0.3	dB
Max. Insertion Loss	50/50	3.6/3.6	dB
	40/60	4.8/2.8	dB
	30/70	6.0/2.0	dB
	20/80	8.0/1.5	dB
	10/90	11.5/0.7	dB
	5/95	15/0.5	dB
	1/99	22/0.3	dB
Max. PDL		0.2	dB
Min. Directivity		50	dB
Min. Return Loss		50	dB
Max. Thermal Stabiligy		0.005	dB/℃
Max. Handling Power		4	W
Fiber Type		Nufern SM 1950 Fiber	
Operating Temperature		-40 to +80	℃
Storage Temperature		-50 to +85	℃
Package Dimension		Φ3.0×L54 for bare fiber, Φ3.0×L70 for 900um loose tube	mm

Note

** Above specifications are for device without connectors.*
** Specifications may change without notice.*

Ordering Information

SMC-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**
1700 - 1700nm 1900 - 1900nm 1950 - 1950nm 1970 - 1970nm 2000 - 2000nm SSSS - Specify	12 - 1X2 22 - 2X2 SS - Specify	01 - 01/99 02 - 02/98 04 - 04/96 05 - 05/95 10 - 10/90 20 - 20/80 30 - 30/70 50 - 50/50 SS - Specify	SM - Nufern SM 1950 SS - Specify	B - 250um Bare Tube L - 900um Loose Tube C - 3.0mm Cable	05 - 0.5m 08 - 0.8m 10 - 1.0m 15 - 1.5m SS - Specify	NE - None FA - FC/APC FP - FC/PC SA - SC/APC SP - SC/PC LA- LC/APC LP - LC/PC SS - Specify

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