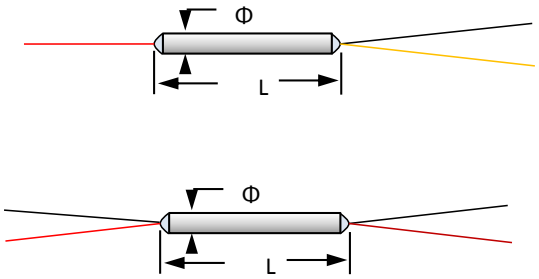
1×2, 2×2 SM Fused Coupler 1030 1040 1053 nm

The 1030 1040 1053 nm 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

Instrument
Fiber Sensor
Fiber Amplifier
Lab & Research

Performance Specification

Parameter		Value	Unit
Configuration		1X2, 2X2	
Center Wavelength		1030, 1040, 1053 or customized	nm
Bandwidth		±10	nm
Max. Excess Loss		0.1	dB
Max. Insertion Loss	50/50	3.7/3.7	dB
	40/60	4.5/2.7	dB
	30/70	5.8/2.0	dB
	20/80	7.7/1.3	dB
	10/90	11.0/0.7	dB
	5/95	14.5/0.45	dB
	3/97	16.7/0.35	dB
	2/98	18.5/0.3	dB
	1/99	21.9/0.25	dB
Max. PDL		0.15	dB
Min. Directivity		50	dB
Min. Return Loss		50	dB
Max. Thermal Stabiligy		0.002	dB/℃
Max. Tensile Load		5	N
Fiber Type		OFS980 Fiber, HI 1060 flex fiber, or HI 1060 Fiber	
Operating Temperature		-40 to +80	℃
Storage Temperature		-50 to +85	℃
Package Dimension		Φ3.0×L56 for bare fiber, and Φ3.0×L60 for 900um loose tube	mm

Note

** Above specifications are for device without connectors.*

Ordering Information

SMSC-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**
1030 - 1030nm 1040 - 1040nm 1053 - 1053nm 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	O9 - OFS980 Fiber 6F - HI 1060 flex H6 - HI 1060 Fiber 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