1180nm 1x2 2x2 SM Fiber Fused Coupler

1180nm 1x2, 2x2 SM Fused Coupler is built with fused biconical taper (FBT) technology, optical signal power can be splitted into two parts with even or various coupling ratio by the FBT Coupler, it's widely applied in fiber optic transmission and fiber optic sensor field, the MM and PM types are available upon request.

Application:

Optical Signal Transmission
Fiber Optic Sensor
Fiber Amplifier
Optical Diffraction System

Features:

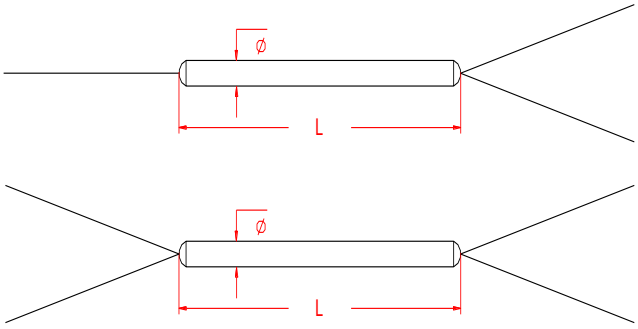
Low Excess Loss
High Return Loss
Low Insertion Loss
High Reliability

Specification:

Parameter		Symbol	Value	Unit
Center Wavelength		λ	1180	nm
Bandwidth		BW	±10	nm
Max. Excess Loss		EL	0.8	dB
Max. Insertion Loss	50/50	IL	3.8/3.8	dB
	40/60		4.8/2.8	dB
	30/70		6.1/2.0	dB
	20/80		8.0/1.3	dB
	10/90		12.0/0.8	dB
	5/95		13.8/0.4	dB
	3/97		19.0/0.4	dB
	2/98		20.0/0.3	dB
	1/99		22.0/0.3	dB
Max. Polarization Dependent Loss		PDL	0.2	dB
Min. Directivity			50	dB
Min. Return Loss		RL	50	dB
Fiber Type			HI 1060	-
Max. Tensil Load			5	N
Max. Optical Power (CW)		P	2	W
Operating Temperature		T	-40~75	℃
Storage Temperature		T	-40~85	℃
Package Dimension			Φ3.0xL54	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23℃.
For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, Connectors only 1W CW optical power guarantee.

Drawing:



Ordering Information (Part Number):

SMFUC-WWWW-PP-RR-FF-D-J-LL-CC

WWWW	PP	RR	FF	J	LL	CC
Wavelength	**Port**	**Coupling Ratio**	**Fiber Type**	**Fiber Jacket**	**Fiber Length**	**Connector**
1100 - 1100nm 1120 - 1120nm 1150 - 1150nm 1180 - 1180nm 1200 - 1200nm 1230 - 1230nm 1250 - 1250nm SSSS - Specify	12 - 1x2 22 - 2x2	01 - 1/99 02 - 2/98 03 - 3/97 05 - 5/95 10 - 10/90 20 - 20/80 30 - 30/70 40 - 40/60 50 - 50/50 SS - Specify	H1 - HI 1060	B - 250um Bare Fiber 9 - 900um Loose Tube	05 - 0.5m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None FA - FC/APC FU - FC/UPC SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify