1625nm 1x2 2x2 SM Fiber Fused Coupler

1625nm 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:

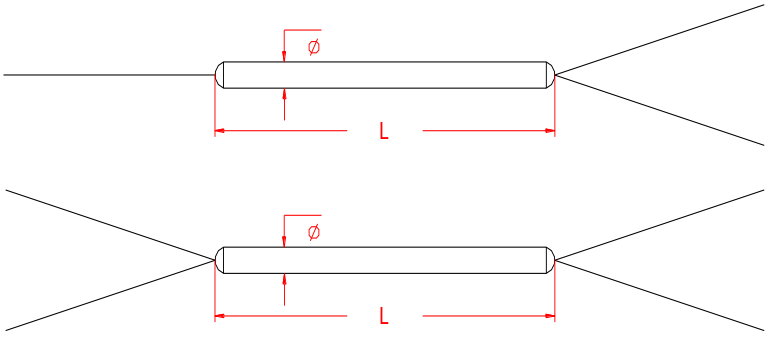
Low Excess Loss
High Return Loss
Low Insertion Loss
High Reliability

Specification:

Parameter		Symbol	Value	Unit
Center Wavelength		λ	1625	nm
Bandwidth		BW	±10	nm
Max. Excess Loss		EL	0.1	dB
Max. Insertion Loss	50/50	IL	3.4/3.4	dB
	40/60		4.4/2.6	dB
	30/70		5.7/1.9	dB
	20/80		7.6/1.25	dB
	10/90		10.65/0.65	dB
	5/95		13.8/0.4	dB
	3/97		16.15/0.3	dB
	2/98		18.05/0.25	dB
	1/99		21.15/0.2	dB
Max. Polarization Dependent Loss		PDL	0.1	dB
Min. Directivity			50	dB
Min. Return Loss		RL	50	dB
Fiber Type			SMF-28e fiber	-
Max. Tensil Load			5	N
Max. Optical Power (CW)		P	2	W
Operating Temperature		T	-40~75	℃
Storage Temperature		T	-40~85	℃
Package Dimension			Φ3.0xL40 for Bare Fiber Φ3.0xL54 for Bare Fiber or 900um Loose Tube 90x20x10 for 2.0 or 3.0mm Loose Tube 100x80x10 for 2.0 or 3.0mm Loose Tube	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	D	J	LL	CC
Wavelength	**Port**	**Coupling Ratio**	**Fiber Type**	**Package Dimension**	**Fiber Jacket**	**Fiber Length**	**Connector**
1310 - 1310nm 1480 - 1480nm 1550 - 1550nm 1570 - 1570nm 1590 - 1590nm 1625 - 1625nm	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	S2 - SMF-28e SS - Specify	1 - Φ3.0x40mm 2 - Φ3.0x54mm 3 - 90x20x10mm 4 - 100x80x10mm	B - 250um Bare Fiber 9 - 900um Loose Tube 2 - 2.0mm Loose Tube 3 - 3.0mm 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