

1060±50nm OCT Broadband 1x2 2x2 SM Fiber Fused Coupler

1060±50nm OCT Broadband 1x2 2x2 SM Fiber Fused Coupler is special designed for OCT application, it's 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 used in Optical Coherence Tomography and Optical Diffraction field.

Application:

OCT
Fiber Optic Sensor
Optical Diffraction System
Lab & Research

Features:

Wide band
Low Excess Loss
High Return Loss
High Reliability



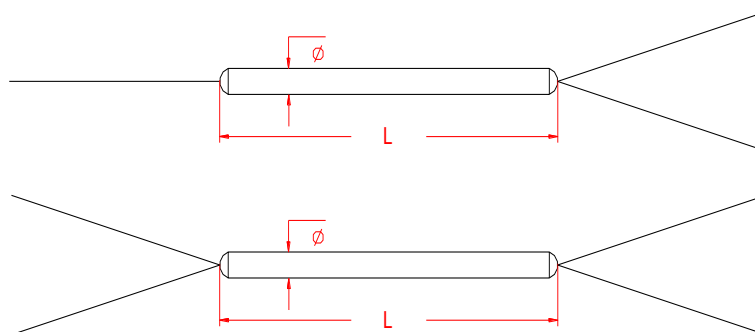
Specification:

Parameter		Symbol	Value	Unit
Center Wavelength		λ	1060	nm
Bandwidth		BW	±50	nm
Max. Excess Loss		EL	0.6	dB
Max. Insertion Loss	50/50	IL	3.9/3.9	dB
	40/60		5.1/3.1	dB
	30/70		6.5/2.3	dB
	20/80		8.3/1.8	dB
	10/90		11.7/1.2	dB
	5/95		14.8/0.9	dB
	3/97		19.0/1.05	dB
	2/98		18/0.9	dB
	1/99		22.1/0.6	dB
Max. Polarization Dependent Loss		PDL	0.2	dB
Min. Directivity			55	dB
Min. Return Loss		RL	50	dB
Fiber Type			Corning HI 1060 fiber	-
Max. Tensile Load			5	N
Max. Optical Power (CW)		P	2	W
Operating Temperature		T	-40~75	°C
Storage Temperature		T	-40~85	°C
Package Dimension			Φ3.0xL54	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

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):**SMBFUC-WWW-PP-RR-J-LL-CC**

WWW	PP	RR	J	LL	CC
Wavelength	Port	Coupling Ratio	Fiber Jacket	Fiber Length	Connector
1030 - 1030nm	12 - 1x2	01 - 1/99	B - 250um Bare Fiber	05 - 0.5m	NE - None
1040 - 1040nm	22 - 2x2	02 - 2/98	9 - 900um Loose Tube	08 - 0.8m	FA - FC/APC
1050 - 1050nm		03 - 3/97		10 - 1.0m	FU - FC/UPC
1060 - 1060nm		05 - 5/95		15 - 1.5m	SS - Specify
1064 - 1064nm		10 - 10/90		20 - 2.0m	
		20 - 20/80		SS - Specify	
		30 - 30/70			
		40 - 40/60			
		50 - 50/50			
		SS - Specify			