

1080nm 1x2 2x2 SM Fiber Filter Coupler

1080nm 1x2, 2x2 SM Filter Coupler is built with thin-film filter technology. optical signal power can be splitted into two parts with even or various coupling ratio by the Filter Coupler, it's widely applied in fiber optic transmission and fiber optic sensor field, the high power type is available upon request.

Application:

Optical Signal Transmission
Fiber Optic Sensor
Fiber Laser
Optical Diffraction System

Features:

Low Excess Loss
High Return Loss
Low Insertion Loss
High Reliability



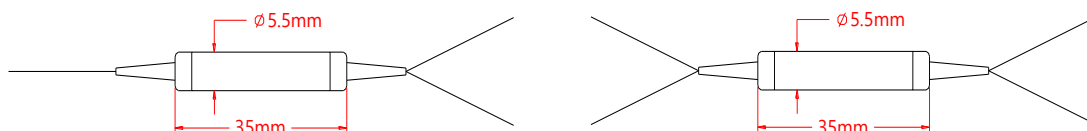
Specification:

Parameter	Symbol	Value		Unit
Center Wavelength	λ	1080		nm
Bandwidth	BW	± 20		nm
Configuration		1x2	2x2	-
Max. Excess Loss	EL	0.8	1.2	dB
Tap Ratio		1 $\pm$ 0.2, 2 $\pm$ 0.4, 3 $\pm$ 0.7, 5 $\pm$ 1, 10, 20, 30, 50		%
Max. Polarization Dependent Loss	PDL	0.15		dB
Min. Directivity		50		dB
Min. Return Loss	RL	50		dB
Max. Optical Power (CW)	P	500		mW
Max. Tensile Load		5		N
Fiber Type		HI 1060 fiber		-
Operating Temperature	T	0~70		°C
Storage Temperature	T	-40~85		°C
Package Dimension		$\Phi 5.5 \times L35$		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.

Drawing:



Ordering Information (Part Number):

SMFIC- 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	10 - 1.0m	FA - FC/APC
1050 - 1050nm		03 - 3/97		15 - 1.5m	FU - FC/UPC
1053 - 1053nm		05 - 5/95		20 - 2.0m	SA - SC/APC
1060 - 1060nm		10 - 10/90		SS - Specify	SU - SU/APC
1064 - 1064nm		20 - 20/80			LA - LC/APC
1080 - 1080nm		30 - 30/70			LU - LC/UPC
SSSS - Specify		40 - 40/60			SS - Specify
		50 - 50/50			
		SS - Specify			