

## Single Mode Single Window Fiber Coupler SMFC

Model #: SMFC

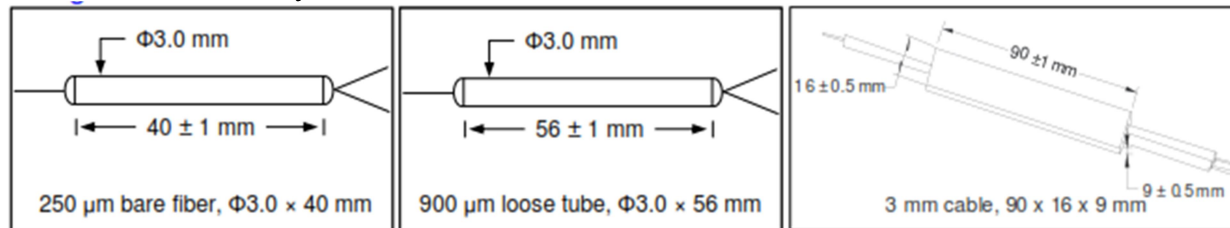
Description: Single mode single window fiber coupler SMFC

Application: CATV, LAN and other communication systems.

Specifications:

Parameter	Unit	Specifications			
Central Wavelength	nm	1310 or 1550 or Specify			
Operating Wavelength	nm	$\lambda_c \pm 20$			
Coupling Ratio	%	1/99	2/98	5/95	10/90
Max. Insertion Loss	dB	21.4/0.2	18.5/0.25	14.5/0.4	10.8/0.65
Coupling Ratio	dB	15/85	20/80	25/75	30/70
Max. Insertion Loss	dB	8.8/0.95	7.5/1.2	6.5/1.55	5.6/1.8
Coupling Ratio	dB	35/65	40/60	45/55	50/50
Max. Insertion Loss	dB	5/2.25	4.4/2.5	3.85/2.98	3.4
Max. Polarization Dependent Loss	dB	0.1			
Max. Excess Loss	dB	0.1			
Thermal Stability	dB/°C	0.002			
Min. Return Loss	dB	50			
Min. Directivity	dB	55 (1x2) or 60 (2x2)			
Max. Optical Power (CW))	mW	300			
Operating Temperature	°C	-5 to +70			
Storage Temperature	°C	-40 to + 85			
Dimension	mm	250 $\mu$ m bare fiber, $\Phi$ 3.0 $\times$ 40 mm 900 $\mu$ m loose tube, $\Phi$ 3.0 $\times$ 56 mm 3 mm cable, 90 $\times$ 16 $\times$ 9 mm			
Fiber Type (Common and Signal Port)		SMF-28 fiber			

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL.



### Ordering Information: SMFC-A-BB-CC-D-E-F

A: configuration	BB: wavelength	CC: coupling ratio	D: connector type	E: fiber jacket	F: fiber length
1 – 1 x 2	31 – 1310	01 – 1/99	1 - FC/UPC	B – 250 $\mu$ m bare fiber	1 – 1.0 m
2 – 2 x 2	55 - 1550	02 – 2/98	2 - FC/APC	L - 900 $\mu$ m loss tube	X - other
	XX - other	03 – 3/97	3 - SC/UPC	C – 3 mm cable	
		05 – 5/95	4 - SC/APC	X - other	
		10 – 10/90	N - none		
		15 - 15/85	X - other		
		20 – 20/80			
		25 – 25/75			
		30 – 30/70			
		35 – 35/65			

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		40 – 40/60			
		45 45/55			
		50 - 50/50			