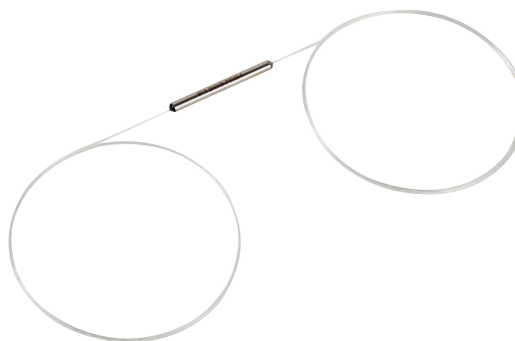


Mini Size Coupler (MSC)

Applications:

- ✧ Mini size EDFA
- ✧ Testing instruments
- ✧ Optical communication systems
- ✧ Mini size transmitter/receiver module



Specifications

Mini Size Standard Coupler (MSC)					
Operating wavelength (nm)		1310 or 1550 for single window type, 1310&1550 for dual window type**			
Operating bandwidth (nm)		±15, ±40			
Port configuration		1x2 or 2x2			
Grade		P	A	P	A
Typical excess loss (dB)		0.10	0.15	0.15	0.25
Insertion Loss (dB)	50/50	≤3.5	≤3.7	≤3.6	≤3.7
	40/60	≤4.5/2.7	≤4.8/2.9	≤4.6/2.8	≤4.9/3.0
	30/70	≤5.8/2.0	≤6.1/2.1	≤5.9/2.1	≤6.3/2.2
	20/80	≤7.7/1.25	≤8.0/1.3	≤7.8/1.3	≤8.2/1.4
	10/90	9.35~11.15/≤0.7	9.15~11.35/≤0.85	9.5~11.3/≤0.75	9.3~11.50/≤0.85
	5/95	12.15~14.35/≤0.45	11.9~14.6/≤0.55	12.3~14.5/≤0.5	12.05~14.75/≤0.55
	3/97	14.2~16.7/≤0.35	13.9~17.0/≤0.45	14.35~16.85/≤0.4	14.05~17.15/≤0.45
	2/98	15.85~18.5/≤0.3	15.5~19.0/≤0.35	16.0~18.8/≤0.35	15.65~19.15/≤0.4
	1/99	18.7~21.15/≤0.25	18.3~22.2/≤0.3	18.85~21.8/≤0.3	18.45~22.35/≤0.35
PDL (dB)		≤0.10	≤0.15	≤0.10	≤0.15
Directivity (dB)		≥50			
Operating temperature (°C)		-40 ~ +85			
Package Dimension (Steel tube)		Φ3.0×30mm; Φ2.4×30mm; Φ2.4×25mm			

*The above specification is without connector.

**Other specifications can be made on customer request.



Ordering Information

MSC	X	XXX	XXXX	XX/XX	X	X	XXX	XX/XX
	Grade	Port number	Operating Wavelength	Coupling Ratio	Pigtail Type	Encapsulation steel tube	Fiber Length	Connector
	P=Perfect	1×2	1310=1310	01/99	0=250um	2.4/3.0×30	1m	FC/UPC
	A=Grade A	2×2	1550=1550	02/98			1.5m	FC/APC
	X=customized			03/97	4=others		2m	SC/UPC
		