

Bi-Directional Coupler

SYDC-ED12804/1

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)		COUPLING (dB)		DIRECTIVITY (dB)		RETURN LOSS (dB)			
	IN-OUT	FWD-REV	IN-FWD	OUT-REV	IN-REV	OUT-FWD	IN	OUT	FWD	REV
5.0	2.37	3.21	19.12	24.99	2.76	7.47	4.03	3.92	3.10	2.97
6.0	1.80	2.48	18.91	23.69	4.30	7.93	5.02	4.91	3.94	3.80
7.0	1.40	1.96	18.84	22.78	5.60	8.42	5.96	5.84	4.76	4.62
8.0	1.13	1.60	18.84	22.14	6.73	8.91	6.84	6.71	5.55	5.39
9.0	0.95	1.34	18.89	21.68	7.73	9.41	7.67	7.52	6.30	6.14
10.0	0.82	1.16	18.96	21.33	8.63	9.91	8.44	8.29	7.02	6.85
20.0	0.26	0.37	19.30	20.02	14.32	14.22	13.98	13.77	12.35	12.15
30.0	0.14	0.20	19.41	19.73	17.33	17.24	17.53	17.28	15.89	15.66
40.0	0.11	0.14	19.46	19.61	19.20	19.45	20.22	19.98	18.64	18.40
50.0	0.09	0.12	19.47	19.55	20.55	21.21	22.51	22.22	21.02	20.75
60.0	0.08	0.11	19.46	19.50	21.65	22.65	24.68	24.24	23.30	22.89
70.0	0.08	0.10	19.45	19.47	22.41	23.95	26.85	26.19	25.69	25.06
80.0	0.09	0.11	19.42	19.44	22.78	25.12	29.08	28.30	28.22	27.44
90.0	0.10	0.13	19.39	19.43	22.89	26.13	31.19	30.45	30.75	30.03
100.0	0.12	0.15	19.37	19.43	22.76	27.03	32.92	32.74	32.99	32.86
200.0	0.21	0.25	19.43	19.60	22.83	32.70	38.70	43.81	33.26	34.60
300.0	0.25	0.28	19.52	19.74	22.73	38.33	32.04	31.64	27.16	26.84
400.0	0.29	0.32	19.61	19.91	22.72	51.87	28.22	27.36	23.99	23.12
500.0	0.34	0.37	19.71	20.08	22.63	36.71	25.82	24.71	21.66	20.64
600.0	0.40	0.42	19.81	20.25	22.14	30.93	24.01	22.46	19.87	18.97
700.0	0.46	0.49	19.92	20.42	21.78	26.55	22.72	21.03	18.55	17.61
800.0	0.54	0.57	20.06	20.60	20.69	23.19	21.74	19.90	17.63	16.48
900.0	0.63	0.66	20.23	20.77	19.85	20.43	20.78	19.00	16.85	15.50
1000.0	0.72	0.77	20.44	20.92	18.85	17.81	20.02	18.11	16.35	14.71
1100.0	0.83	0.89	20.70	21.08	17.74	15.72	19.59	17.22	15.99	14.06
1150.0	0.89	0.96	20.85	21.14	17.07	14.62	19.47	17.01	15.83	13.77
1200.0	0.95	1.03	21.01	21.20	16.57	13.52	19.26	16.64	15.82	13.52
1250.0	1.01	1.11	21.20	21.24	15.89	12.47	19.24	16.30	15.74	13.25
1300.0	1.08	1.20	21.39	21.28	15.13	11.37	19.06	16.18	15.82	12.92
1350.0	1.15	1.29	21.60	21.31	14.41	10.26	18.84	15.88	15.95	12.61
1400.0	1.22	1.40	21.85	21.32	13.74	9.17	18.79	15.55	16.06	12.28
1450.0	1.31	1.52	22.12	21.34	12.96	8.02	18.62	15.35	16.30	11.95
1500.0	1.40	1.66	22.40	21.34	12.18	6.92	18.54	15.07	16.53	11.63
1550.0	1.49	1.81	22.74	21.35	11.53	5.75	18.53	14.77	16.72	11.25
1600.0	1.58	1.99	23.10	21.35	10.78	4.52	18.32	14.56	16.99	10.89
1650.0	1.68	2.18	23.50	21.36	10.01	3.31	18.10	14.32	17.03	10.48
1700.0	1.79	2.41	23.96	21.36	9.28	2.03	17.82	14.01	16.91	10.04
1750.0	1.90	2.67	24.47	21.35	8.59	0.68	17.38	13.75	16.56	9.59