

Bi-Directional Coupler

SYDC-ED12278/4

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB) IN-OUT	COUPLING (dB)		DIRECTIVITY (dB)		RETURN LOSS (dB)			
		IN-FWD	OUT-REV	IN-REV	OUT-FWD	IN	OUT	FWD	REV
0.3	0.74	19.69	21.47	10.60	12.51	8.48	8.37	8.39	8.31
0.4	0.44	19.81	20.91	13.06	14.32	10.68	10.57	10.57	10.48
0.5	0.30	19.89	20.63	15.03	15.85	12.48	12.36	12.37	12.27
0.6	0.22	19.94	20.47	16.60	17.17	13.98	13.85	13.86	13.77
0.7	0.17	19.99	20.38	17.95	18.42	15.25	15.13	15.15	15.05
0.8	0.14	20.01	20.32	19.09	19.45	16.36	16.25	16.27	16.16
0.9	0.12	20.03	20.28	20.12	20.43	17.34	17.23	17.26	17.16
1.0	0.11	20.04	20.26	21.02	21.31	18.23	18.11	18.15	18.05
1.2	0.08	20.06	20.22	22.58	22.85	19.76	19.64	19.67	19.58
1.4	0.07	20.08	20.19	24.03	24.10	21.06	20.95	20.97	20.87
1.6	0.06	20.09	20.18	25.20	25.26	22.16	22.05	22.09	22.00
1.8	0.06	20.09	20.17	26.23	26.37	23.14	23.01	23.05	22.95
2.0	0.06	20.10	20.16	27.09	27.31	24.01	23.87	23.94	23.83
3.0	0.05	20.11	20.15	30.94	30.76	27.28	27.16	27.16	27.06
4.0	0.05	20.12	20.14	33.60	33.43	29.42	29.35	29.30	29.21
5.0	0.04	20.12	20.14	35.90	35.34	30.94	30.96	30.77	30.76
6.0	0.05	20.12	20.13	37.88	37.07	32.08	32.15	31.89	31.87
7.0	0.04	20.11	20.13	39.69	38.47	32.96	33.02	32.68	32.75
8.0	0.05	20.12	20.13	41.28	39.98	33.58	33.79	33.27	33.37
10.0	0.08	20.14	20.16	43.61	42.02	34.89	35.15	34.34	34.30
12.0	0.10	20.16	20.18	43.71	43.24	35.73	35.88	34.91	34.78
14.0	0.09	20.15	20.17	43.11	42.43	35.87	36.02	34.85	34.85
16.0	0.08	20.13	20.15	42.22	41.61	35.76	35.86	34.58	34.66
18.0	0.07	20.12	20.14	41.39	40.51	35.59	35.81	34.33	34.45
20.0	0.07	20.12	20.14	39.60	39.71	35.40	35.60	34.06	34.18
22.0	0.07	20.12	20.14	38.57	38.79	35.16	35.42	33.84	33.93
24.0	0.08	20.12	20.14	37.80	38.28	34.93	35.20	33.56	33.59
26.0	0.08	20.11	20.14	36.91	37.47	34.62	34.83	33.27	33.27
28.0	0.08	20.11	20.14	35.90	36.92	34.33	34.41	32.89	32.89
30.0	0.08	20.11	20.14	35.17	36.26	34.00	34.10	32.52	32.50
40.0	0.09	20.12	20.15	32.38	33.69	32.19	32.41	30.77	30.71
50.0	0.10	20.14	20.16	30.26	31.53	30.69	30.93	29.19	29.17
70.0	0.11	20.18	20.18	27.08	28.22	28.18	28.49	26.66	26.72
90.0	0.12	20.21	20.18	24.38	25.68	26.45	26.79	24.86	24.78
100.0	0.13	20.23	20.18	23.31	24.64	25.71	26.05	24.04	24.00
150.0	0.17	20.33	20.17	19.16	19.83	22.41	22.71	20.81	20.87
200.0	0.21	20.43	20.13	15.63	16.20	20.25	20.52	18.32	18.47
250.0	0.26	20.50	20.07	12.72	13.00	18.48	18.74	16.55	16.71
300.0	0.33	20.47	20.00	9.98	10.18	17.04	17.28	15.06	15.24
350.0	0.41	20.14	19.96	7.33	7.82	15.89	15.98	13.89	14.03
400.0	0.55	19.06	19.97	4.42	6.16	14.97	14.66	12.96	12.92