

Bi-Directional Coupler

SYDC-ED12537/2

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
0.6	2.60	25.06	20.01	9.06	4.30	3.56	3.63	3.46	3.53
0.7	2.07	24.06	19.81	9.50	5.55	4.34	4.43	4.23	4.31
0.8	1.68	23.31	19.72	9.96	6.65	5.10	5.19	4.97	5.06
0.9	1.38	22.75	19.68	10.42	7.64	5.82	5.91	5.69	5.78
1.0	1.16	22.33	19.68	10.88	8.51	6.50	6.60	6.36	6.46
2.0	0.36	20.77	19.91	15.02	14.42	11.66	11.78	11.50	11.61
5.0	0.09	20.25	20.09	22.27	22.37	19.35	19.46	19.17	19.27
10.0	0.09	20.20	20.14	28.70	28.62	25.50	25.62	25.37	25.44
15.0	0.08	20.18	20.14	33.14	32.92	29.11	29.33	29.02	29.18
20.0	0.08	20.17	20.13	37.20	36.82	31.73	32.15	31.73	31.94
25.0	0.09	20.18	20.12	41.60	40.53	33.56	34.22	33.72	34.22
30.0	0.10	20.19	20.11	47.26	42.91	34.61	35.50	34.93	35.83
40.0	0.12	20.23	20.12	63.17	47.64	35.31	36.63	35.76	37.16
50.0	0.13	20.25	20.13	53.28	50.83	35.57	37.01	36.18	37.56
70.0	0.14	20.26	20.16	44.91	68.04	36.73	37.14	37.56	37.94
90.0	0.14	20.27	20.18	40.43	49.70	37.12	37.68	37.97	38.69
100.0	0.14	20.27	20.18	38.46	46.21	37.12	37.90	38.04	39.19
150.0	0.16	20.27	20.21	33.77	39.96	37.50	36.66	39.32	38.85
200.0	0.17	20.24	20.21	30.56	34.73	36.91	35.85	39.32	38.95
250.0	0.18	20.20	20.20	28.39	31.88	36.44	35.07	39.66	39.02
300.0	0.19	20.15	20.19	26.82	29.42	35.89	34.07	40.90	38.08
350.0	0.20	20.08	20.16	25.49	27.64	34.85	33.15	39.79	37.63
400.0	0.22	19.99	20.11	24.19	26.41	33.65	32.06	39.42	36.70
420.0	0.23	19.95	20.09	23.78	25.88	33.30	31.69	38.83	36.28
440.0	0.23	19.91	20.07	23.45	25.33	32.98	31.47	38.43	35.93
460.0	0.24	19.87	20.04	23.01	24.96	32.41	31.00	37.55	35.49
480.0	0.25	19.82	20.01	22.68	24.63	31.83	30.52	37.02	35.06
500.0	0.25	19.77	19.98	22.30	24.32	31.23	29.92	36.36	34.64
520.0	0.26	19.72	19.94	21.94	23.97	30.67	29.42	35.77	34.06
540.0	0.27	19.66	19.90	21.60	23.60	30.27	29.01	35.11	33.59
560.0	0.28	19.60	19.85	21.28	23.28	29.83	28.63	34.33	33.00
580.0	0.29	19.54	19.80	20.97	23.02	29.50	28.39	33.85	32.60
600.0	0.31	19.47	19.74	20.75	22.83	29.02	27.99	33.32	32.24
650.0	0.34	19.29	19.57	20.18	22.32	27.70	26.76	31.66	31.23
700.0	0.38	19.08	19.35	19.59	21.87	26.46	25.64	29.66	29.56
750.0	0.43	18.84	19.07	18.92	21.61	24.91	24.49	27.92	28.16
800.0	0.49	18.57	18.72	18.31	21.12	23.56	23.19	26.13	26.70
850.0	0.58	18.27	18.28	17.55	20.56	22.18	21.85	24.40	25.01
900.0	0.71	17.94	17.72	16.37	19.53	20.67	20.44	22.51	23.38
950.0	0.88	17.61	17.05	14.83	17.73	19.16	19.01	20.55	21.67
1000.0	1.14	17.33	16.25	12.78	15.22	17.49	17.45	18.50	19.77