

Bi-Directional Coupler

SYDC-ED12483/3

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	0.09	19.99	20.07	28.64	31.88	25.51	25.26	25.52	25.38
0.4	0.06	19.99	20.05	31.31	34.67	28.02	27.75	28.04	27.86
0.5	0.05	20.00	20.05	33.49	36.91	30.04	29.70	30.06	29.80
0.6	0.05	20.00	20.05	35.53	39.24	31.68	31.25	31.70	31.41
0.7	0.05	20.00	20.05	37.29	41.28	33.12	32.48	33.13	32.69
0.8	0.06	20.00	20.06	38.85	43.16	34.33	33.54	34.35	33.72
0.9	0.06	20.00	20.06	40.21	45.10	35.39	34.34	35.39	34.57
1.0	0.06	20.01	20.07	41.81	46.42	36.25	34.98	36.32	35.25
1.3	0.07	20.01	20.08	44.54	50.09	37.98	36.12	38.01	36.36
1.5	0.07	20.01	20.09	46.75	53.37	39.20	36.80	39.30	37.14
1.6	0.07	20.01	20.09	47.50	54.58	39.57	36.96	39.69	37.33
1.7	0.08	20.01	20.09	48.71	56.15	39.96	37.18	39.98	37.53
1.8	0.08	20.01	20.09	49.45	57.70	40.25	37.39	40.41	37.73
1.9	0.08	20.01	20.09	50.24	58.91	40.53	37.51	40.67	37.88
2.0	0.08	20.01	20.09	50.54	59.39	40.76	37.65	40.90	38.05
3.0	0.08	20.01	20.10	58.20	63.28	42.12	38.47	42.31	38.92
4.0	0.08	20.01	20.10	55.32	52.77	42.69	38.96	42.82	39.44
5.0	0.07	20.01	20.10	50.33	50.20	42.72	39.24	42.93	39.76
6.0	0.07	20.02	20.10	48.20	46.82	42.61	39.46	42.90	39.88
7.0	0.07	20.02	20.10	45.66	45.18	42.36	39.52	42.58	39.94
8.0	0.07	20.02	20.10	44.28	43.58	42.14	39.51	42.40	40.09
10.0	0.10	20.06	20.12	40.58	41.00	41.85	39.71	42.32	40.15
11.0	0.12	20.07	20.13	39.72	39.85	41.59	39.57	42.02	40.15
15.0	0.10	20.06	20.11	36.37	36.75	39.76	38.65	40.22	39.17
17.0	0.09	20.06	20.11	34.95	35.43	38.98	38.22	39.47	38.79
19.0	0.09	20.06	20.11	33.97	34.37	38.35	37.90	38.89	38.31
20.0	0.09	20.06	20.11	33.54	33.93	38.03	37.67	38.58	38.15
25.0	0.09	20.05	20.10	31.41	31.56	36.71	36.54	37.29	37.10
30.0	0.09	20.06	20.10	29.78	29.67	35.53	35.32	36.15	36.14
40.0	0.10	20.07	20.10	27.00	27.06	33.73	33.70	34.24	34.37
50.0	0.10	20.07	20.10	24.92	25.00	32.13	32.31	32.71	32.89
60.0	0.11	20.09	20.10	23.21	23.36	30.90	31.03	31.51	31.61
70.0	0.12	20.10	20.09	21.77	21.92	29.91	29.93	30.55	30.52
80.0	0.12	20.11	20.07	20.49	20.66	28.98	29.06	29.66	29.70
90.0	0.12	20.12	20.06	19.32	19.55	28.06	28.24	28.80	28.89
100.0	0.14	20.13	20.04	18.23	18.60	27.15	27.50	27.87	28.20
140.0	0.17	20.16	19.95	14.85	15.12	24.55	24.79	25.31	25.48
180.0	0.21	20.17	19.83	12.09	12.40	22.66	22.98	23.34	23.53
220.0	0.26	20.12	19.66	9.79	9.99	21.10	21.58	21.67	21.96
260.0	0.32	19.94	19.48	7.85	7.84	19.96	20.47	20.33	20.50
300.0	0.39	19.48	19.25	6.22	5.92	19.03	19.64	19.18	19.17