

Bi-Directional Coupler

SYBD-ED12762/1

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
50.0	0.02	0.03	45.62	45.62	24.99	25.41	45.54	46.39	43.02	43.93
100.0	0.03	0.04	39.62	39.63	24.88	25.05	44.65	44.65	42.67	42.27
200.0	0.04	0.05	33.63	33.64	24.94	24.83	42.42	43.67	40.01	42.06
300.0	0.05	0.06	30.14	30.14	24.79	24.67	39.44	39.72	37.43	38.88
400.0	0.06	0.06	27.66	27.66	24.83	24.51	36.26	36.20	34.68	35.36
500.0	0.06	0.07	25.75	25.74	24.41	24.25	33.37	33.27	32.47	32.57
750.0	0.09	0.09	22.28	22.29	23.38	23.23	28.26	28.49	28.59	28.71
1000.0	0.13	0.12	19.88	19.89	22.70	22.44	25.31	25.83	27.04	27.17
1250.0	0.16	0.16	18.07	18.07	23.26	22.29	24.90	25.67	26.38	26.25
1500.0	0.19	0.19	16.62	16.62	22.22	22.59	24.28	24.30	25.18	25.04
1750.0	0.23	0.24	15.49	15.49	21.08	22.48	24.65	24.41	25.52	25.21
2000.0	0.30	0.30	14.57	14.59	20.71	21.50	23.95	23.20	25.86	25.84
2250.0	0.38	0.37	13.85	13.88	20.61	21.06	20.25	19.94	22.84	22.90
2500.0	0.42	0.40	13.21	13.25	21.02	21.05	18.94	19.08	22.13	21.91
2600.0	0.43	0.41	12.98	13.01	21.36	21.13	18.90	19.31	22.38	22.21
2700.0	0.44	0.41	12.73	12.76	22.01	21.11	19.20	19.89	23.04	22.99
2800.0	0.44	0.43	12.49	12.51	21.67	20.63	19.81	20.78	23.98	24.16
2900.0	0.45	0.45	12.27	12.28	21.33	20.08	20.64	22.03	24.50	24.57
3000.0	0.46	0.46	12.08	12.07	21.19	19.73	21.59	21.46	23.93	24.02
3100.0	0.48	0.49	11.89	11.88	20.70	19.67	21.09	21.09	23.47	23.78
3200.0	0.49	0.50	11.71	11.71	20.46	19.25	20.80	20.85	23.15	23.52
3300.0	0.52	0.53	11.54	11.53	19.95	18.87	20.69	20.62	23.20	23.44
3400.0	0.54	0.56	11.39	11.36	19.49	18.58	20.75	20.70	23.10	23.61
3500.0	0.57	0.59	11.25	11.22	19.30	18.38	20.96	20.93	21.92	22.12
3600.0	0.59	0.60	11.10	11.07	18.94	18.24	20.23	21.06	20.93	21.08
3750.0	0.63	0.64	10.90	10.89	19.00	18.05	18.96	19.66	19.97	20.09
4000.0	0.66	0.67	10.59	10.61	18.87	18.03	18.26	18.54	19.50	19.47
4250.0	0.69	0.68	10.33	10.38	19.04	18.38	18.39	18.19	20.30	20.19
4500.0	0.71	0.71	10.10	10.17	19.61	18.99	19.38	18.85	21.65	21.62
4750.0	0.73	0.75	9.89	9.98	20.59	20.21	21.91	20.71	23.04	22.89
5000.0	0.73	0.76	9.77	9.85	20.47	20.93	25.86	23.69	23.71	23.47
5250.0	0.74	0.77	9.74	9.82	19.93	21.19	25.76	26.27	23.57	23.16
5500.0	0.76	0.78	9.73	9.83	18.94	20.59	23.14	23.10	24.04	23.23
5750.0	0.78	0.80	9.73	9.84	18.23	19.29	22.17	21.63	25.60	23.69
6000.0	0.82	0.84	9.77	9.84	16.99	17.78	22.39	21.51	21.96	22.71
6250.0	0.87	0.90	9.80	9.84	15.38	16.47	23.17	21.75	18.10	18.38
6500.0	0.93	1.02	9.93	9.91	13.36	15.07	21.69	21.07	14.94	15.26
6750.0	1.07	1.30	10.21	10.20	11.03	13.25	17.48	17.16	12.77	13.06
7000.0	1.30	1.62	10.67	10.94	8.88	11.04	13.02	12.75	10.58	10.93
7500.0	2.15	2.02	12.93	13.21	4.31	5.92	7.12	6.91	7.48	7.58
8000.0	2.44	1.95	13.82	13.54	4.50	5.07	6.47	5.93	7.47	7.96