

Bi-Directional Coupler

SYDC-ED12560/1

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
0.03	1.42	1.65	20.82	20.68	17.59	47.54	8.18	7.82	7.33	7.45
0.04	1.02	1.16	20.19	20.13	20.26	45.67	9.83	9.66	9.02	9.07
0.05	0.78	0.88	19.88	19.85	22.48	46.21	11.29	11.20	10.48	10.50
0.06	0.63	0.71	19.71	19.72	24.42	45.98	12.59	12.52	11.76	11.77
0.07	0.54	0.61	19.61	19.62	25.94	46.35	13.75	13.67	12.89	12.91
0.08	0.48	0.54	19.54	19.56	27.29	47.13	14.80	14.72	13.90	13.94
0.09	0.45	0.50	19.50	19.54	28.56	46.09	15.73	15.64	14.79	14.88
0.10	0.43	0.48	19.47	19.51	29.78	46.51	16.58	16.45	15.58	15.72
0.20	0.36	0.39	19.42	19.44	37.72	47.20	21.79	21.33	20.18	20.94
0.30	0.34	0.37	19.42	19.43	42.82	46.76	24.46	23.65	22.27	23.60
0.50	0.31	0.33	19.41	19.39	47.87	46.93	27.35	25.99	24.23	26.46
0.70	0.28	0.31	19.39	19.38	49.49	46.90	29.02	27.27	25.27	28.13
0.90	0.27	0.29	19.38	19.35	50.58	46.46	30.25	28.17	25.98	29.34
1.00	0.27	0.28	19.37	19.36	49.39	46.14	30.78	28.52	26.27	29.84
1.50	0.24	0.27	19.33	19.34	49.73	47.01	32.79	29.87	27.32	31.85
2.00	0.23	0.24	19.33	19.31	49.99	46.49	34.20	30.75	27.96	33.26
5.00	0.21	0.21	19.30	19.29	49.91	46.38	37.94	32.59	29.31	37.11
10.00	0.20	0.20	19.29	19.28	48.91	46.65	39.24	33.08	29.72	38.61
20.00	0.21	0.21	19.30	19.30	45.21	45.18	39.13	33.09	29.86	38.82
40.00	0.23	0.23	19.32	19.31	41.84	44.24	37.24	32.71	29.83	38.04
60.00	0.24	0.23	19.31	19.32	37.76	41.76	35.30	32.23	29.83	37.18
80.00	0.24	0.23	19.32	19.34	35.34	39.26	33.63	31.60	29.73	36.31
100.00	0.25	0.25	19.34	19.36	33.34	37.41	32.15	30.97	29.57	35.08
120.00	0.25	0.25	19.34	19.37	31.92	35.49	30.87	30.29	29.38	33.71
140.00	0.27	0.27	19.35	19.39	30.48	33.23	29.71	29.57	29.21	32.84
160.00	0.28	0.27	19.35	19.42	29.10	31.45	28.70	28.95	28.99	32.15
180.00	0.28	0.28	19.37	19.44	28.04	29.94	27.79	28.34	28.76	31.19
200.00	0.29	0.28	19.36	19.47	27.04	28.40	26.97	27.72	28.39	30.17
220.00	0.30	0.30	19.37	19.49	26.19	27.12	26.22	27.11	28.08	29.54
240.00	0.31	0.30	19.37	19.53	25.26	25.76	25.52	26.51	27.82	29.27
250.00	0.32	0.31	19.38	19.54	24.95	25.18	25.18	26.24	27.69	29.03
270.00	0.33	0.31	19.39	19.57	24.19	24.06	24.62	25.78	27.39	28.21
290.00	0.34	0.32	19.39	19.60	23.58	23.05	24.04	25.28	27.04	27.32
300.00	0.35	0.32	19.39	19.62	23.24	22.51	23.79	25.01	26.86	27.08
350.00	0.39	0.36	19.40	19.71	21.55	20.13	22.60	23.94	26.18	26.46
400.00	0.43	0.38	19.42	19.80	20.15	18.06	21.59	22.92	25.37	25.31
450.00	0.46	0.41	19.44	19.89	18.75	16.18	20.75	22.25	24.72	24.39
500.00	0.51	0.44	19.44	19.98	17.49	14.47	19.99	21.38	24.06	24.09
550.00	0.59	0.50	19.48	20.09	16.32	12.95	19.39	20.95	23.45	22.97
600.00	0.64	0.52	19.49	20.14	15.22	11.51	18.81	20.38	23.01	23.17