

Bi-Directional Coupler

SYDC-10-52VHP+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS		COUPLING		DIRECTIVITY		RETURN LOSS			
	(dB)		(dB)		(dB)		(dB)			
	IN-OUT	FWD-REV	IN-FWD	OUT-REV	IN-REV	OUT-FWD	IN	OUT	FWD	REV
5.0	1.68	1.69	10.01	11.68	12.31	13.52	6.83	6.21	6.86	6.23
7.0	1.16	1.17	9.84	10.80	14.94	15.34	9.23	8.56	9.28	8.56
9.0	0.93	0.94	9.79	10.40	16.90	16.83	11.18	10.48	11.22	10.48
10	0.86	0.87	9.78	10.28	17.73	17.47	12.02	11.31	12.06	11.31
30	0.62	0.63	9.75	9.83	24.18	22.45	20.84	20.68	20.97	20.57
50	0.75	0.75	9.82	9.97	24.04	22.68	22.27	25.89	22.55	25.40
70	0.79	0.79	9.86	10.03	23.86	22.45	22.42	27.43	22.67	26.67
90	0.79	0.80	9.86	10.04	24.02	22.24	22.75	28.14	23.03	27.25
100	0.79	0.80	9.86	10.03	24.10	22.17	22.95	28.44	23.22	27.41
125	0.80	0.80	9.85	10.01	24.09	22.01	23.38	28.92	23.68	27.50
150	0.80	0.80	9.83	9.99	24.62	22.07	23.91	28.98	24.50	27.81
175	0.81	0.80	9.82	9.95	24.29	21.71	24.21	29.09	24.82	27.72
200	0.82	0.80	9.78	9.92	24.49	21.49	24.54	29.40	25.27	27.95
250	0.84	0.81	9.71	9.83	24.73	21.11	25.65	30.16	26.14	27.99
300	0.88	0.84	9.62	9.73	25.23	20.80	26.48	31.04	26.99	28.11
325	0.90	0.85	9.57	9.67	25.40	20.57	27.07	31.55	27.19	28.05
350	0.92	0.86	9.51	9.61	25.75	20.34	27.79	32.31	27.18	27.79
375	0.94	0.88	9.44	9.54	26.00	20.23	28.31	33.03	26.97	27.30
400	0.97	0.90	9.38	9.47	26.36	20.07	28.83	33.87	26.73	26.90
425	1.00	0.93	9.30	9.39	26.52	19.84	29.25	34.50	26.13	26.43
450	1.03	0.95	9.22	9.31	26.89	19.61	29.63	35.20	25.34	25.62
475	1.07	0.98	9.14	9.22	26.99	19.44	29.75	35.42	24.51	24.69
500	1.10	1.02	9.05	9.12	27.17	19.24	29.84	35.38	23.65	23.82
505	1.11	1.02	9.04	9.10	27.21	19.19	29.84	35.25	23.45	23.66
510	1.12	1.03	9.02	9.09	27.17	19.13	29.77	35.13	23.26	23.47
511	1.12	1.03	9.01	9.08	27.14	19.12	29.69	35.07	23.22	23.43
512	1.12	1.03	9.01	9.08	27.18	19.09	29.70	35.09	23.20	23.41
513	1.13	1.04	9.01	9.07	27.16	19.10	29.68	35.08	23.16	23.38
514	1.13	1.04	9.00	9.07	27.17	19.09	29.66	35.03	23.10	23.35
515	1.13	1.04	9.00	9.07	27.18	19.07	29.65	35.02	23.08	23.33
520	1.14	1.05	8.98	9.05	27.19	19.01	29.55	34.82	22.90	23.14
550	1.19	1.10	8.86	8.92	26.86	18.61	28.81	33.54	21.73	22.08
600	1.28	1.19	8.68	8.64	25.02	18.17	27.06	31.45	19.77	20.26
800	1.95	1.98	7.98	7.25	16.58	15.00	18.19	24.98	13.48	14.40