

Bi-Directional Coupler

SYDC-19-52VHP+

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
7	0.16	0.18	19.55	19.37	22.65	22.76	18.28	18.52	18.31	18.29
9	0.14	0.16	19.50	19.37	24.74	24.98	20.61	20.84	20.62	20.62
10	0.13	0.15	19.49	19.38	25.67	25.87	21.62	21.84	21.65	21.65
20	0.15	0.18	19.46	19.38	32.37	32.38	28.42	28.87	28.64	28.88
30	0.20	0.23	19.53	19.39	35.50	35.44	30.87	32.42	31.49	32.72
40	0.22	0.25	19.57	19.42	36.32	36.30	31.50	33.60	32.29	33.81
50	0.23	0.25	19.60	19.45	36.09	36.33	32.04	34.21	32.75	34.44
60	0.23	0.25	19.62	19.47	35.95	36.29	32.56	34.71	33.27	35.02
70	0.23	0.25	19.64	19.50	36.10	36.18	33.06	35.17	33.67	35.62
80	0.23	0.25	19.65	19.53	35.84	35.86	33.66	35.56	34.12	36.10
90	0.23	0.25	19.66	19.55	35.81	35.80	34.02	35.86	34.44	36.37
100	0.23	0.25	19.66	19.57	35.56	35.65	34.30	36.09	34.74	36.52
150	0.23	0.26	19.70	19.66	33.97	34.87	36.74	37.48	35.35	38.24
175	0.24	0.26	19.72	19.69	33.59	33.89	35.78	36.94	35.36	37.47
200	0.25	0.27	19.73	19.73	33.07	33.09	35.32	36.68	34.82	37.69
225	0.26	0.28	19.74	19.77	32.35	32.22	34.71	36.49	34.19	37.83
250	0.26	0.29	19.76	19.80	31.39	31.34	33.83	36.11	33.37	37.33
275	0.27	0.30	19.77	19.84	30.31	30.39	32.86	35.57	32.44	36.86
300	0.28	0.31	19.77	19.86	29.31	29.46	31.78	34.90	31.48	36.27
325	0.29	0.32	19.78	19.89	28.42	28.41	30.58	34.06	30.47	35.79
350	0.31	0.33	19.79	19.91	27.57	27.51	29.37	33.28	29.43	35.15
375	0.32	0.34	19.79	19.93	26.65	26.61	28.23	32.45	28.32	34.25
400	0.33	0.36	19.80	19.93	25.76	25.71	27.22	31.60	27.29	33.32
425	0.34	0.37	19.81	19.94	24.78	24.69	26.27	30.63	26.38	32.27
450	0.36	0.39	19.81	19.94	23.83	23.69	25.29	29.58	25.50	31.16
475	0.38	0.40	19.82	19.93	22.85	22.76	24.36	28.62	24.61	30.05
500	0.40	0.42	19.82	19.91	21.95	21.89	23.53	27.79	23.80	29.02
505	0.40	0.43	19.82	19.91	21.77	21.73	23.39	27.62	23.64	28.78
510	0.40	0.43	19.82	19.90	21.58	21.55	23.23	27.44	23.48	28.57
512	0.41	0.43	19.82	19.90	21.52	21.51	23.16	27.41	23.40	28.52
525	0.41	0.44	19.82	19.89	21.08	20.99	22.77	26.94	23.00	28.00
550	0.44	0.46	19.83	19.86	20.28	20.12	21.96	26.04	22.19	27.09
575	0.46	0.49	19.83	19.81	19.54	19.25	21.15	25.25	21.43	26.22
600	0.48	0.51	19.84	19.76	18.75	18.44	20.43	24.48	20.71	25.35