

# Bi-Directional Coupler

# SYDC-18-23+

## 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	0.79	0.76	16.90	18.24	14.34	15.37	14.94	14.80	14.59	14.68
6	0.82	0.80	16.97	18.30	15.58	16.79	16.24	16.29	16.09	16.32
7	0.84	0.83	17.02	18.36	16.41	17.73	17.13	17.32	17.08	17.46
8	0.85	0.85	17.05	18.39	17.01	18.34	17.77	18.07	17.75	18.27
9	0.85	0.86	17.07	18.41	17.47	18.82	18.26	18.67	18.27	18.89
10	0.85	0.86	17.08	18.41	17.85	19.19	18.66	19.15	18.68	19.40
20	0.78	0.79	17.13	18.28	20.12	21.49	21.01	22.09	21.31	22.60
30	0.72	0.74	17.14	18.18	21.33	22.71	22.31	23.86	22.81	24.50
40	0.69	0.71	17.16	18.13	22.02	23.39	23.18	25.04	23.68	25.82
50	0.67	0.69	17.17	18.09	22.55	23.85	23.83	25.90	24.36	26.73
70	0.64	0.67	17.19	18.05	23.22	24.43	24.77	27.14	25.29	28.20
90	0.63	0.65	17.20	18.02	23.52	24.80	25.37	28.12	26.05	29.33
100	0.62	0.65	17.21	18.02	23.66	24.93	25.64	28.61	26.35	29.82
300	0.57	0.61	17.39	18.04	23.94	25.38	28.71	31.10	29.67	32.94
500	0.56	0.59	17.55	18.17	23.78	24.50	30.54	28.75	31.76	31.61
700	0.57	0.59	17.65	18.29	23.64	23.23	27.59	25.05	28.71	27.71
900	0.60	0.61	17.68	18.33	23.09	21.66	23.78	22.07	25.17	25.17
1000	0.63	0.64	17.68	18.34	22.73	21.40	22.31	21.17	23.81	24.29
1100	0.67	0.66	17.68	18.33	22.62	21.41	20.89	20.22	22.48	23.01
1200	0.70	0.69	17.68	18.30	22.96	21.56	19.94	19.68	21.60	22.56
1300	0.74	0.72	17.70	18.29	23.00	21.89	19.03	19.07	20.62	22.00
1400	0.78	0.76	17.70	18.28	23.71	22.71	18.30	18.57	19.80	21.60
1500	0.82	0.79	17.71	18.25	24.28	23.73	17.65	18.33	18.83	21.22
1600	0.86	0.83	17.74	18.22	25.40	24.84	17.08	18.12	18.09	20.89
1700	0.91	0.87	17.77	18.20	26.51	26.40	16.55	17.96	17.47	20.47
1800	0.95	0.91	17.80	18.19	27.57	28.37	16.00	17.86	17.06	20.63
1900	1.01	0.95	17.86	18.18	27.59	32.11	15.39	17.63	16.71	20.52
2000	1.07	1.01	17.93	18.16	26.56	39.90	14.85	17.79	16.22	20.51
2100	1.14	1.07	18.09	18.16	26.87	40.36	14.32	18.05	15.76	20.88
2300	1.28	1.22	18.37	18.39	21.39	26.25	13.68	19.09	14.99	22.08
2400	1.36	1.28	18.50	18.40	19.64	21.01	13.42	19.56	14.83	22.00
2500	1.45	1.37	18.71	18.47	18.34	17.95	13.21	19.96	14.58	21.44
2600	1.54	1.45	18.87	18.56	16.87	15.55	13.02	20.26	14.68	21.41



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IF/RF MICROWAVE COMPONENTS

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