

# Bi-Directional Coupler

# SYDC-20-22HP+

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB) IN-OUT	COUPLING (dB)		DIRECTIVITY (dB)		RETURN LOSS (dB)			
		IN-FWD	OUT-REV	IN-REV	OUT-FWD	IN	OUT	FWD	REV
3.0	0.06	20.21	20.15	29.32	29.46	26.44	26.52	26.48	26.54
5.0	0.06	20.18	20.16	33.65	34.16	30.10	30.12	29.98	30.02
7.0	0.06	20.19	20.16	36.00	37.71	32.03	32.08	31.78	31.63
9.0	0.06	20.18	20.15	37.77	40.30	33.05	33.03	32.67	32.48
10.0	0.06	20.18	20.16	38.34	42.60	33.46	33.36	32.87	32.68
20.0	0.07	20.18	20.15	39.72	43.52	33.63	33.38	32.41	32.09
30.0	0.09	20.18	20.14	38.31	37.86	32.13	31.90	30.64	30.37
40.0	0.10	20.20	20.16	36.39	34.78	30.47	30.15	28.85	28.55
50.0	0.11	20.22	20.18	34.35	32.63	28.99	28.64	27.32	27.00
60.0	0.12	20.23	20.21	32.39	30.91	27.71	27.37	26.01	25.69
70.0	0.13	20.24	20.23	30.64	29.34	26.57	26.21	24.84	24.53
80.0	0.14	20.25	20.26	28.98	27.99	25.53	25.15	23.79	23.50
90.0	0.14	20.25	20.28	27.51	26.69	24.59	24.24	22.83	22.57
100.0	0.15	20.25	20.31	26.11	25.49	23.73	23.42	21.97	21.72
110.0	0.16	20.26	20.33	24.81	24.41	22.98	22.65	21.19	20.97
120.0	0.17	20.26	20.36	23.61	23.39	22.30	21.99	20.51	20.29
130.0	0.18	20.26	20.39	22.51	22.47	21.69	21.39	19.90	19.68
140.0	0.19	20.26	20.42	21.49	21.60	21.15	20.83	19.34	19.11
150.0	0.20	20.25	20.44	20.50	20.80	20.64	20.31	18.81	18.57
160.0	0.21	20.25	20.47	19.58	20.02	20.15	19.82	18.30	18.06
170.0	0.23	20.25	20.50	18.67	19.30	19.68	19.35	17.81	17.57
180.0	0.24	20.24	20.53	17.78	18.58	19.22	18.88	17.32	17.10
190.0	0.25	20.24	20.57	16.90	17.89	18.77	18.44	16.85	16.65
200.0	0.26	20.24	20.60	16.08	17.21	18.37	18.03	16.42	16.23



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IF/RF MICROWAVE COMPONENTS

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