

Bi-Directional Coupler

SYDC-30-12HP+

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
3.0	0.01	0.02	28.76	28.70	20.40	20.34	31.64	31.75	31.54	31.62
4.0	0.01	0.01	28.76	28.72	22.71	22.76	34.01	34.10	33.89	33.98
5.0	0.01	0.01	28.76	28.72	24.62	24.56	35.80	35.87	35.66	35.74
6.0	0.01	0.02	28.76	28.73	26.10	26.10	37.22	37.31	37.05	37.14
7.0	0.01	0.01	28.76	28.73	27.37	27.37	38.38	38.46	38.20	38.26
8.0	0.01	0.02	28.76	28.73	28.40	28.50	39.33	39.38	39.13	39.20
9.0	0.02	0.02	28.76	28.73	29.34	29.39	40.12	40.17	39.87	39.97
10.0	0.01	0.02	28.76	28.73	30.26	30.28	40.77	40.83	40.51	40.57
15.0	0.02	0.02	28.76	28.70	33.26	32.90	42.73	42.81	42.31	42.45
20.0	0.03	0.03	28.77	28.68	34.57	34.36	43.29	43.43	42.84	42.98
25.0	0.03	0.03	28.77	28.65	34.77	34.50	43.14	43.18	42.62	42.84
30.0	0.03	0.04	28.78	28.63	35.02	34.45	42.72	42.67	42.24	42.38
40.0	0.04	0.04	28.77	28.59	33.96	33.21	41.56	41.51	41.32	41.40
50.0	0.05	0.05	28.74	28.54	33.03	31.95	40.43	40.34	40.52	40.52
60.0	0.05	0.05	28.70	28.50	31.37	30.23	39.42	39.36	39.72	39.67
70.0	0.05	0.06	28.64	28.43	30.09	29.23	38.43	38.41	38.95	38.91
80.0	0.06	0.06	28.58	28.33	28.71	28.40	37.54	37.56	38.12	38.12
82.0	0.06	0.06	28.57	28.31	28.56	28.06	37.36	37.40	37.96	37.97
84.0	0.06	0.06	28.55	28.29	28.22	27.70	37.17	37.24	37.80	37.82
86.0	0.06	0.06	28.54	28.27	28.01	27.56	37.01	37.07	37.61	37.62
88.0	0.06	0.06	28.52	28.26	27.77	27.50	36.83	36.92	37.45	37.47
90.0	0.06	0.07	28.50	28.23	27.58	27.11	36.66	36.78	37.28	37.30
100.0	0.07	0.07	28.42	28.11	26.65	26.17	35.84	36.02	36.37	36.45
120.0	0.08	0.08	28.20	27.82	24.75	24.21	34.29	34.59	34.64	34.81



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RF/MICROWAVE COMPONENTS



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