

Bi-Directional Coupler

SYDC-19-52HP+

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
30.0	0.20	0.23	19.53	19.39	35.50	35.44	30.87	32.42	31.49	32.72
40.0	0.22	0.25	19.57	19.42	36.32	36.30	31.50	33.60	32.29	33.81
50.0	0.23	0.25	19.60	19.45	36.09	36.33	32.04	34.21	32.75	34.44
60.0	0.23	0.25	19.62	19.47	35.95	36.29	32.56	34.71	33.27	35.02
70.0	0.23	0.25	19.64	19.50	36.10	36.18	33.06	35.17	33.67	35.62
80.0	0.23	0.25	19.65	19.53	35.84	35.86	33.66	35.56	34.12	36.10
90.0	0.23	0.25	19.66	19.55	35.81	35.80	34.02	35.86	34.44	36.37
100.0	0.23	0.25	19.66	19.57	35.56	35.65	34.30	36.09	34.74	36.52
150.0	0.23	0.26	19.70	19.66	33.97	34.87	36.74	37.48	35.35	38.24
175.0	0.24	0.26	19.72	19.69	33.59	33.89	35.78	36.94	35.36	37.47
200.0	0.25	0.27	19.73	19.73	33.07	33.09	35.32	36.68	34.82	37.69
225.0	0.26	0.28	19.74	19.77	32.35	32.22	34.71	36.49	34.19	37.83
250.0	0.26	0.29	19.76	19.80	31.39	31.34	33.83	36.11	33.37	37.33
275.0	0.27	0.30	19.77	19.84	30.31	30.39	32.86	35.57	32.44	36.86
300.0	0.28	0.31	19.77	19.86	29.31	29.46	31.78	34.90	31.48	36.27
325.0	0.29	0.32	19.78	19.89	28.42	28.41	30.58	34.06	30.47	35.79
350.0	0.31	0.33	19.79	19.91	27.57	27.51	29.37	33.28	29.43	35.15
375.0	0.32	0.34	19.79	19.93	26.65	26.61	28.23	32.45	28.32	34.25
400.0	0.33	0.36	19.80	19.93	25.76	25.71	27.22	31.60	27.29	33.32
425.0	0.34	0.37	19.81	19.94	24.78	24.69	26.27	30.63	26.38	32.27
450.0	0.36	0.39	19.81	19.94	23.83	23.69	25.29	29.58	25.50	31.16
475.0	0.38	0.40	19.82	19.93	22.85	22.76	24.36	28.62	24.61	30.05
500.0	0.40	0.42	19.82	19.91	21.95	21.89	23.53	27.79	23.80	29.02
505.0	0.40	0.43	19.82	19.91	21.77	21.73	23.39	27.62	23.64	28.78
510.0	0.40	0.43	19.82	19.90	21.58	21.55	23.23	27.44	23.48	28.57
512.0	0.41	0.43	19.82	19.90	21.52	21.51	23.16	27.41	23.40	28.52
525.0	0.41	0.44	19.82	19.89	21.08	20.99	22.77	26.94	23.00	28.00



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site www.minicircuits.com



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS

REV. OR
SYDC-19-52HP+
9/7/2012
Page 1 of 1