

Bi-Directional Coupler

SYDC-ED14517/3

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

IF/RF MICROWAVE COMPONENTS



REV. X1
SYDC-ED14517/3
9/26/2011
Page 1 of 1