

Directional Coupler

SYDC-ED12827/1

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				IN	OUT	CPL
10.0	0.09	19.67	22.03	24.51	24.65	26.92
20.0	0.10	20.17	31.69	30.99	31.47	31.23
30.0	0.13	20.26	34.72	32.80	33.86	32.45
40.0	0.14	20.29	36.05	33.08	34.20	32.85
50.0	0.15	20.31	36.41	32.94	33.95	33.02
60.0	0.15	20.32	36.72	32.68	33.59	33.05
70.0	0.15	20.33	36.85	32.36	33.19	33.01
80.0	0.15	20.33	36.99	32.10	32.73	32.86
82.0	0.15	20.33	36.98	32.06	32.64	32.80
83.0	0.15	20.33	37.06	32.01	32.62	32.79
84.0	0.15	20.33	36.99	32.00	32.56	32.79
85.0	0.15	20.34	36.91	31.99	32.55	32.74
86.0	0.15	20.33	36.93	31.94	32.47	32.72
87.0	0.15	20.34	36.94	31.93	32.41	32.72
88.0	0.16	20.34	36.85	31.88	32.39	32.69
89.0	0.15	20.34	36.85	31.85	32.33	32.67
90.0	0.15	20.34	36.89	31.84	32.29	32.65
91.0	0.16	20.33	36.85	31.83	32.25	32.64
92.0	0.16	20.33	36.86	31.81	32.20	32.62
100.0	0.15	20.34	36.57	31.59	31.80	32.45
150.0	0.17	20.33	34.87	29.78	29.78	31.23
200.0	0.18	20.30	32.75	28.10	27.92	29.99
250.0	0.19	20.26	30.92	26.79	26.65	28.75
300.0	0.21	20.20	28.73	25.40	25.23	27.71
350.0	0.23	20.12	26.78	24.30	24.19	26.79
400.0	0.25	20.03	24.96	23.33	23.12	25.84
440.0	0.27	19.94	23.55	22.57	22.38	25.30
460.0	0.28	19.90	22.83	22.18	22.03	24.95
480.0	0.29	19.84	22.21	21.87	21.73	24.64
500.0	0.30	19.79	21.57	21.55	21.39	24.33
512.0	0.31	19.75	21.20	21.37	21.18	24.14
520.0	0.31	19.73	20.95	21.27	21.05	24.07
540.0	0.32	19.67	20.37	21.00	20.78	23.83
560.0	0.33	19.60	19.73	20.73	20.49	23.58
580.0	0.35	19.53	19.10	20.48	20.23	23.38
600.0	0.36	19.46	18.46	20.23	19.98	23.10
700.0	0.45	19.02	15.63	18.98	18.76	21.99
800.0	0.57	18.44	12.66	17.85	17.64	21.00
900.0	0.78	17.68	9.41	16.67	16.78	19.85
1000.0	1.17	16.97	5.39	15.34	16.42	18.47