

Directional Coupler

ADC-ED9945/1

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				IN	(dB) OUT	CPL
0.1	0.40	19.38	10.54	12.91	12.52	8.62
0.1	0.36	19.46	11.18	13.78	13.37	9.39
0.2	0.27	19.80	15.98	19.60	19.20	14.87
0.3	0.27	19.90	18.67	22.73	22.60	17.99
0.4	0.27	19.92	20.32	24.68	24.81	19.94
0.5	0.26	19.94	21.31	25.98	26.40	21.31
0.7	0.26	19.95	22.47	27.59	28.46	23.05
0.9	0.25	19.95	22.93	28.58	29.79	24.16
1.0	0.25	19.95	23.08	28.96	30.32	24.59
2.0	0.21	19.95	23.06	31.50	33.79	27.31
3.0	0.19	19.95	22.91	32.96	35.99	28.91
4.0	0.18	19.96	22.76	33.88	37.70	30.00
5.0	0.18	19.96	22.67	34.48	39.00	30.76
6.0	0.17	19.96	22.70	34.92	40.04	31.26
7.0	0.18	19.96	22.61	35.20	40.79	31.64
8.0	0.17	19.96	22.61	35.38	41.32	31.92
9.0	0.17	19.96	22.58	35.49	41.68	32.12
10.0	0.18	19.96	22.63	35.54	42.01	32.28
20.0	0.18	19.98	22.56	35.65	42.70	32.64
30.0	0.19	19.96	22.80	35.47	42.04	32.47
40.0	0.20	19.96	22.83	35.34	40.89	32.25
50.0	0.20	19.96	22.97	35.24	39.91	31.99
60.0	0.21	19.95	22.99	35.08	38.99	31.75
70.0	0.21	19.95	23.01	34.79	38.12	31.61
80.0	0.21	19.95	23.18	34.42	37.30	31.46
90.0	0.22	19.95	23.36	33.90	36.47	31.30
100.0	0.22	19.94	23.40	33.37	35.69	31.18
200.0	0.25	19.95	24.21	28.76	30.07	28.97
300.0	0.29	19.91	25.67	26.02	26.75	27.22
400.0	0.32	19.83	27.19	24.13	24.35	25.61
500.0	0.36	19.69	27.99	22.20	22.46	24.20
600.0	0.43	19.54	26.54	20.83	20.90	23.25
700.0	0.49	19.36	24.03	19.68	19.66	22.60
800.0	0.53	19.25	21.72	18.35	18.54	22.10
900.0	0.63	19.35	20.26	17.11	17.58	21.66
1000.0	0.79	19.58	20.15	16.09	16.67	20.74
1250.0	0.98	19.75	21.42	13.59	14.38	17.28
1500.0	1.26	19.65	17.81	11.22	12.37	14.61