

Directional Coupler

ADC-ED12199

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				IN	(dB) OUT	CPL
0.3	1.99	13.15	17.90	9.33	9.51	9.03
0.5	1.59	12.98	20.71	11.94	12.51	11.86
0.8	1.37	12.87	22.66	13.93	15.00	14.01
1.0	1.29	12.83	23.30	14.77	16.10	14.85
2.0	1.06	12.72	25.46	17.04	19.30	17.05
3.0	0.93	12.66	27.22	18.35	21.24	18.35
4.0	0.84	12.61	28.52	19.32	22.78	19.33
5.0	0.78	12.57	29.33	20.08	24.07	20.10
10.0	0.69	12.50	30.42	22.19	28.64	22.13
15.0	0.65	12.47	30.58	22.96	31.31	22.85
20.0	0.64	12.46	30.55	23.30	32.90	23.17
25.0	0.63	12.45	30.38	23.48	33.92	23.26
30.0	0.63	12.45	30.20	23.58	34.53	23.32
35.0	0.63	12.45	30.04	23.66	34.89	23.34
40.0	0.63	12.45	29.91	23.72	35.05	23.30
45.0	0.64	12.45	29.82	23.76	35.10	23.25
50.0	0.64	12.46	29.76	23.78	35.06	23.20
100.0	0.67	12.51	28.86	23.49	33.23	22.01
150.0	0.69	12.57	28.12	23.06	30.63	20.58
200.0	0.71	12.63	27.00	22.55	28.75	19.07
250.0	0.72	12.70	26.34	22.00	27.28	17.85
300.0	0.73	12.77	25.26	21.51	26.03	16.78
350.0	0.74	12.86	24.18	20.98	24.89	15.84
400.0	0.75	12.94	23.37	20.59	23.94	14.99
450.0	0.76	13.03	22.42	20.16	23.16	14.24
500.0	0.78	13.12	21.54	19.75	22.37	13.65
550.0	0.79	13.21	20.82	19.50	21.79	13.11
600.0	0.80	13.30	20.19	19.26	21.25	12.61
650.0	0.82	13.38	19.70	19.07	20.66	12.15
700.0	0.84	13.47	19.14	18.96	20.29	11.78
750.0	0.86	13.55	18.63	18.78	19.86	11.41
800.0	0.87	13.64	18.11	18.80	19.59	11.12
850.0	0.89	13.72	17.61	18.69	19.23	10.84
900.0	0.92	13.79	17.27	18.76	18.97	10.56
950.0	0.94	13.87	16.80	18.75	18.73	10.31
1000.0	0.96	13.94	16.55	18.78	18.42	10.10
1500.0	1.33	14.58	14.89	19.60	17.05	8.70
2000.0	2.13	15.75	15.59	15.83	15.72	7.47
2500.0	5.81	22.75	-3.26	7.50	21.31	6.60
3000.0	9.02	26.44	-10.05	4.32	10.84	4.98