

Directional Coupler

ADC-26-52+

Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = +25°C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING LOSS (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
10	0.14	26.49	30.95	28.98	29.15	29.15
20	0.14	26.50	34.42	31.42	31.71	31.74
30	0.13	26.51	34.64	32.31	32.61	32.80
40	0.13	26.51	33.47	32.51	32.81	33.22
50	0.13	26.50	31.77	32.39	32.53	33.22
75	0.13	26.51	28.59	31.36	31.58	32.61
100	0.13	26.51	25.97	30.03	30.24	31.65
125	0.14	26.48	24.11	28.69	28.91	30.57
150	0.15	26.45	22.49	27.55	27.82	29.56
175	0.16	26.42	21.29	26.55	26.85	28.57
200	0.17	26.38	20.13	25.65	25.96	27.68
250	0.18	26.29	18.33	24.05	24.38	26.08
275	0.19	26.24	17.64	23.36	23.66	25.37
300	0.20	26.17	16.95	22.75	22.99	24.70
325	0.21	26.11	16.33	22.19	22.38	24.12
350	0.22	26.05	15.74	21.69	21.83	23.55
375	0.24	25.98	15.21	21.23	21.32	23.03
400	0.24	25.91	14.69	20.77	20.80	22.53
425	0.26	25.83	14.18	20.36	20.31	22.06
450	0.28	25.78	13.66	19.97	19.85	21.61
475	0.29	25.70	13.31	19.63	19.41	21.20
500	0.31	25.62	12.87	19.34	19.00	20.80
525	0.32	25.56	12.44	19.06	18.61	20.41
550	0.34	25.50	12.00	18.80	18.26	20.05
575	0.36	25.46	11.65	18.57	17.92	19.70
600	0.37	25.41	11.25	18.34	17.58	19.37
650	0.41	25.36	10.42	17.97	16.90	18.73
700	0.45	25.35	9.60	17.60	16.35	18.16
750	0.49	25.39	8.77	17.23	15.83	17.63
800	0.53	25.47	8.07	16.82	15.35	17.14
850	0.55	25.58	7.47	16.39	14.97	16.70
900	0.58	25.63	6.88	15.83	14.58	16.29
950	0.60	25.70	6.47	15.33	14.25	15.93
1000	0.65	25.81	5.91	14.85	13.95	15.61
1100	0.66	25.68	5.70	13.86	13.33	15.02
1200	0.70	25.50	5.50	13.00	12.76	14.50
1300	0.75	25.27	5.44	12.25	12.24	14.05
1400	0.80	25.03	5.38	11.60	11.77	13.63
1500	0.86	24.85	5.29	11.02	11.32	13.28
1600	0.92	24.58	5.45	10.48	10.92	12.94
1700	0.99	24.35	5.52	10.00	10.52	12.62
1800	1.06	24.26	5.65	9.63	10.21	12.33
1900	1.14	24.04	5.97	9.19	9.83	12.01
2000	1.21	23.93	6.27	8.81	9.52	11.74
2100	1.30	23.75	6.50	8.45	9.16	11.44
2200	1.39	23.62	6.78	8.11	8.87	11.17
2300	1.49	23.50	7.28	7.78	8.57	10.88
2400	1.61	23.25	7.90	7.49	8.31	10.60
2500	1.71	23.11	8.83	7.20	8.11	10.34
2600	1.85	23.09	9.94	6.96	7.92	10.06
2700	1.97	22.98	11.97	6.68	7.80	9.77
2800	2.11	22.81	14.14	6.44	7.67	9.48
2900	2.26	22.68	17.92	6.20	7.57	9.19
3000	2.42	22.40	24.98	6.02	7.52	8.88

REV. X1
ADC-26-52+
081007
Page 1 of 3



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Directional Coupler

ADC-26-52+

Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = -40°C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING LOSS (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
10	0.06	26.50	24.38	23.43	23.39	22.78
20	0.09	26.53	32.70	28.99	29.10	28.59
30	0.10	26.54	36.92	30.91	31.10	30.74
40	0.10	26.54	37.83	31.59	31.81	31.82
50	0.10	26.54	35.13	31.55	31.62	32.34
75	0.10	26.54	29.54	29.92	30.01	32.43
100	0.10	26.52	26.34	28.35	28.45	31.52
125	0.11	26.51	24.37	27.64	27.77	30.26
150	0.11	26.47	22.97	27.25	27.47	29.06
175	0.11	26.42	21.67	26.43	26.66	27.97
200	0.11	26.38	20.40	25.21	25.45	27.07
250	0.12	26.26	18.48	23.40	23.66	25.61
275	0.13	26.20	17.84	22.95	23.19	25.00
300	0.13	26.12	17.13	22.45	22.63	24.41
325	0.14	26.05	16.43	21.78	21.94	23.87
350	0.15	25.96	15.82	21.14	21.25	23.31
375	0.16	25.87	15.32	20.65	20.73	22.76
400	0.17	25.78	14.79	20.29	20.30	22.24
425	0.18	25.69	14.33	19.97	19.91	21.74
450	0.19	25.63	13.92	19.63	19.51	21.28
475	0.20	25.50	13.45	19.22	19.01	20.87
500	0.21	25.41	12.98	18.88	18.57	20.47
525	0.23	25.32	12.55	18.60	18.18	20.10
550	0.24	25.25	12.09	18.35	17.83	19.76
575	0.26	25.18	11.71	18.14	17.49	19.41
600	0.28	25.11	11.26	17.93	17.15	19.07
650	0.32	25.02	10.35	17.67	16.51	18.40
700	0.36	25.00	9.37	17.36	15.92	17.81
750	0.40	25.07	8.33	17.08	15.38	17.25
800	0.44	25.23	7.37	16.79	14.90	16.75
850	0.47	25.46	6.50	16.29	14.45	16.27
900	0.49	25.64	5.68	15.61	13.99	15.84
950	0.52	25.84	5.12	15.06	13.67	15.46
1000	0.55	25.99	4.52	14.59	13.44	15.13
1100	0.55	25.96	4.27	13.56	12.90	14.54
1200	0.57	25.72	4.10	12.64	12.33	14.03
1300	0.60	25.43	4.13	11.91	11.85	13.62
1400	0.63	25.11	4.09	11.39	11.53	13.25
1500	0.69	24.87	3.94	10.76	11.03	12.89
1600	0.75	24.46	4.28	10.11	10.57	12.59
1700	0.79	24.12	4.47	9.77	10.32	12.29
1800	0.86	24.07	4.44	9.49	10.08	12.06
1900	0.93	23.81	4.84	8.99	9.67	11.76
2000	0.98	23.56	5.34	8.69	9.39	11.54
2100	1.08	23.39	5.68	8.25	8.99	11.29
2200	1.14	23.21	6.12	7.90	8.68	11.01
2300	1.21	23.01	6.85	7.70	8.48	10.78
2400	1.35	22.85	7.27	7.19	8.00	10.53
2500	1.44	22.63	8.06	7.05	7.88	10.23
2600	1.56	22.66	9.44	6.70	7.69	9.99
2700	1.64	22.51	11.34	6.55	7.59	9.68
2800	1.79	22.28	13.24	6.28	7.36	9.35
2900	1.93	22.15	16.13	5.98	7.17	9.04
3000	2.12	21.88	21.87	5.70	7.04	8.73

REV. X1
ADC-26-52+
081007
Page 2 of 3



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Directional Coupler

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Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = +85°C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING LOSS (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
10	0.16	26.47	33.08	31.88	32.25	32.04
20	0.15	26.49	33.97	32.99	33.43	33.65
30	0.15	26.49	32.64	33.05	33.43	34.01
40	0.15	26.49	31.31	32.80	33.18	33.94
50	0.15	26.49	30.22	32.65	32.86	33.57
75	0.16	26.50	27.78	32.26	32.62	32.41
100	0.16	26.50	25.78	31.39	31.79	31.29
125	0.17	26.48	24.02	29.72	30.12	30.27
150	0.19	26.47	22.39	28.00	28.39	29.42
175	0.19	26.44	21.13	26.68	27.04	28.57
200	0.20	26.42	20.00	25.85	26.25	27.79
250	0.23	26.36	18.28	24.56	25.01	26.28
275	0.24	26.32	17.67	23.85	24.25	25.57
300	0.25	26.27	16.94	23.15	23.46	24.89
325	0.27	26.23	16.32	22.55	22.81	24.28
350	0.28	26.18	15.75	22.08	22.27	23.70
375	0.29	26.13	15.25	21.68	21.84	23.17
400	0.30	26.08	14.75	21.28	21.35	22.67
425	0.32	26.03	14.26	20.86	20.87	22.21
450	0.33	25.99	13.84	20.47	20.40	21.77
475	0.35	25.94	13.45	20.08	19.90	21.38
500	0.36	25.88	13.03	19.77	19.50	20.99
525	0.38	25.84	12.65	19.50	19.12	20.63
550	0.39	25.81	12.26	19.23	18.78	20.28
575	0.42	25.77	11.97	18.97	18.44	19.95
600	0.43	25.74	11.64	18.68	18.09	19.63
650	0.47	25.69	11.00	18.22	17.43	19.02
700	0.50	25.65	10.46	17.77	16.90	18.48
750	0.53	25.62	9.88	17.29	16.38	17.96
800	0.57	25.60	9.45	16.83	15.89	17.50
850	0.59	25.59	9.13	16.40	15.53	17.08
900	0.62	25.54	8.71	15.88	15.12	16.68
950	0.65	25.51	8.45	15.38	14.74	16.31
1000	0.69	25.59	8.10	14.98	14.41	15.98
1100	0.73	25.37	7.86	14.00	13.69	15.33
1200	0.79	25.21	7.56	13.15	13.04	14.77
1300	0.86	25.05	7.37	12.39	12.44	14.23
1400	0.92	24.90	7.15	11.69	11.90	13.77
1500	0.99	24.77	6.92	11.11	11.43	13.36
1600	1.07	24.56	7.05	10.53	10.98	12.99
1700	1.16	24.36	6.89	10.01	10.52	12.60
1800	1.24	24.38	7.08	9.56	10.18	12.29
1900	1.34	24.21	7.20	9.12	9.78	11.93
2000	1.42	24.06	7.34	8.76	9.47	11.66
2100	1.53	23.93	7.52	8.38	9.12	11.36
2200	1.63	23.84	7.71	8.03	8.82	11.09
2300	1.74	23.73	8.10	7.69	8.55	10.82
2400	1.85	23.57	8.52	7.45	8.36	10.60
2500	2.00	23.48	8.82	7.17	8.18	10.40
2600	2.11	23.50	10.64	6.94	8.03	10.14
2700	2.25	23.32	12.46	6.67	7.89	9.87
2800	2.37	23.20	13.79	6.45	7.84	9.66
2900	2.52	23.10	17.16	6.22	7.80	9.41
3000	2.66	22.80	21.34	6.14	7.83	9.14

REV. X1
ADC-26-52+
081007
Page 3 of 3



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