

Typical Performance Data

Full 2-Port Extension

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vcc = 5V, Id = 47mA @Temperature = +25°C

FREQ.	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10	14.29	22.95	10.49	11.54	1.27	0.92	---	15.18	7.76
20	14.72	22.49	10.88	12.08	1.22	0.87	16.93	17.47	7.51
30	15.28	21.98	11.47	12.74	1.18	0.80	17.87	16.89	6.66
40	15.84	21.36	12.19	13.22	1.13	0.71	19.23	16.84	5.98
50	16.31	21.07	12.95	14.21	1.10	0.65	19.89	17.07	5.59
60	16.60	20.58	13.92	15.04	1.08	0.58	21.49	16.93	5.21
70	16.88	20.37	14.87	16.01	1.06	0.53	23.49	16.63	4.93
80	17.08	20.19	15.85	16.94	1.05	0.49	25.43	16.60	4.67
90	17.21	20.05	16.97	17.99	1.05	0.46	26.92	16.24	4.49
100	17.33	19.93	17.96	18.88	1.04	0.43	27.76	16.05	4.41
200	17.56	19.82	28.63	26.18	1.03	0.40	29.94	15.96	3.92
250	17.50	19.89	32.58	28.19	1.04	0.42	29.79	15.90	3.90
300	17.48	19.93	35.11	29.03	1.04	0.43	30.21	16.17	3.92
350	17.44	20.01	36.28	28.60	1.04	0.44	29.78	16.23	4.01
400	17.41	20.02	36.52	28.30	1.04	0.45	30.49	16.46	3.97
450	17.38	20.05	35.97	28.07	1.05	0.46	30.47	16.40	4.01
500	17.37	20.09	34.43	28.10	1.05	0.46	30.31	16.38	3.99
550	17.36	20.11	33.17	27.74	1.05	0.47	30.06	16.40	4.00
600	17.35	20.12	32.43	27.24	1.05	0.47	30.56	16.40	3.96
650	17.34	20.12	32.08	26.65	1.05	0.47	30.22	16.46	4.02
700	17.34	20.15	32.11	26.26	1.05	0.48	30.36	16.41	3.96
750	17.33	20.15	32.05	25.91	1.05	0.48	30.29	16.14	3.95
800	17.32	20.16	32.20	25.49	1.05	0.48	30.19	16.37	3.89
850	17.31	20.16	31.89	25.15	1.05	0.48	30.04	16.37	3.86
1000	17.30	20.17	30.95	24.26	1.05	0.48	30.01	16.34	3.90
1500	17.27	20.18	27.33	23.51	1.05	0.48	29.95	16.12	3.87
2000	17.27	20.17	25.93	24.53	1.05	0.48	29.55	15.89	3.91
2500	17.28	20.12	24.05	24.04	1.05	0.48	28.36	15.80	4.00
3000	17.27	20.09	22.62	20.06	1.05	0.46	28.32	15.59	4.06
3500	17.25	20.07	22.85	17.44	1.05	0.45	27.24	15.60	4.06
4000	17.22	19.94	25.29	16.12	1.04	0.43	26.25	15.07	4.21
4500	17.19	19.86	27.26	15.66	1.03	0.42	25.47	14.45	4.27
5000	17.13	19.76	26.60	15.21	1.03	0.42	24.89	13.98	4.24
5500	17.02	19.66	21.33	13.84	1.03	0.40	24.32	13.58	4.35
6000	16.81	19.64	16.82	11.76	1.02	0.40	23.80	13.25	4.38
6500	16.49	19.65	14.10	10.18	1.01	0.41	23.32	12.49	4.51
7000	16.12	19.68	13.00	9.53	1.00	0.45	23.23	11.75	4.59
7500	15.75	19.70	12.70	9.67	1.00	0.51	23.37	11.37	4.63
8000	15.38	19.64	12.58	10.07	1.00	0.58	21.88	10.41	4.74
8500	14.96	19.59	12.19	10.29	1.01	0.63	21.46	9.67	4.78
9000	14.45	19.62	11.05	10.09	1.02	0.68	21.95	9.47	4.95
9500	13.82	19.75	9.39	9.69	1.03	0.74	21.79	9.34	5.05
10000	13.05	19.98	7.96	9.27	1.04	0.83	20.05	8.76	5.29
10500	12.20	20.29	6.92	8.98	1.06	0.91	18.29	7.70	5.47
11000	11.34	20.63	6.13	8.69	1.07	0.99	19.23	7.40	5.72
11500	10.45	20.92	5.59	8.26	1.08	1.06	17.46	6.85	5.85
12000	9.58	21.15	5.30	7.83	1.09	1.09	14.62	6.18	5.96

Typical Performance Data

Full 2-Port Extension

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vcc = 4.75V, Id = 43mA @Temperature = +25°C

FREQ.	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10	14.24	22.72	10.78	11.46	1.25	0.91	---	14.33	7.57
20	14.66	22.44	11.08	11.87	1.23	0.87	17.71	16.47	7.38
30	15.21	21.85	11.67	12.64	1.18	0.80	21.62	15.92	6.55
40	15.76	21.29	12.37	13.12	1.13	0.71	24.69	15.95	5.88
50	16.22	20.84	13.17	13.88	1.09	0.63	25.36	16.00	5.52
60	16.51	20.51	14.07	14.92	1.08	0.58	28.15	15.65	5.12
70	16.78	20.28	15.02	15.89	1.06	0.53	28.00	14.91	4.84
80	16.98	20.10	16.00	16.86	1.05	0.49	28.01	14.93	4.61
90	17.12	19.98	17.11	17.93	1.05	0.46	27.89	14.48	4.43
100	17.23	19.88	18.07	18.79	1.04	0.44	27.77	14.08	4.35
200	17.45	19.75	28.29	25.50	1.03	0.41	28.47	14.86	3.87
250	17.40	19.83	32.31	27.21	1.04	0.43	28.29	14.82	3.87
300	17.37	19.92	36.18	27.72	1.04	0.44	28.27	15.10	3.88
350	17.34	19.94	40.42	27.05	1.04	0.45	28.37	15.40	3.95
400	17.30	19.98	43.89	26.57	1.05	0.46	28.37	15.43	3.92
450	17.27	20.02	42.30	26.42	1.05	0.47	28.81	15.37	3.96
500	17.25	20.05	38.25	26.43	1.05	0.47	28.75	15.36	3.96
550	17.24	20.06	36.09	26.11	1.05	0.48	28.66	15.36	3.94
600	17.23	20.06	35.29	25.60	1.05	0.48	29.43	15.60	3.92
650	17.22	20.09	34.70	25.24	1.05	0.48	29.39	15.43	3.98
700	17.22	20.11	33.73	25.05	1.05	0.48	28.86	15.39	3.91
750	17.20	20.12	33.13	24.81	1.05	0.49	28.71	15.33	3.92
800	17.20	20.14	32.94	24.45	1.06	0.49	28.86	15.35	3.86
850	17.19	20.13	32.56	24.15	1.05	0.49	28.53	15.35	3.81
1000	17.17	20.15	31.74	23.23	1.06	0.49	28.21	15.31	3.85
1500	17.13	20.17	27.82	22.44	1.06	0.50	28.50	15.10	3.80
2000	17.13	20.14	26.76	23.32	1.06	0.50	28.08	15.09	3.87
2500	17.13	20.14	24.96	23.26	1.06	0.49	27.47	14.79	3.94
3000	17.11	20.06	23.72	19.66	1.05	0.48	27.43	14.57	4.04
3500	17.09	20.01	23.89	17.06	1.05	0.46	26.59	14.85	4.01
4000	17.05	19.93	26.46	15.71	1.04	0.45	25.72	14.35	4.16
4500	17.01	19.82	28.98	15.24	1.04	0.44	25.06	13.95	4.22
5000	16.94	19.70	27.63	14.79	1.03	0.43	24.42	13.48	4.18
5500	16.83	19.61	21.88	13.55	1.03	0.42	23.99	13.10	4.32
6000	16.61	19.59	17.12	11.52	1.02	0.41	23.59	12.79	4.34
6500	16.27	19.59	14.24	9.98	1.01	0.42	23.19	12.05	4.46
7000	15.89	19.64	13.14	9.32	1.00	0.46	23.04	11.30	4.57
7500	15.51	19.63	12.77	9.43	1.00	0.53	23.13	10.92	4.56
8000	15.14	19.53	12.65	9.78	1.00	0.58	21.57	10.18	4.67
8500	14.72	19.53	12.23	9.97	1.01	0.64	21.12	9.44	4.69
9000	14.21	19.54	11.14	9.82	1.03	0.68	21.65	9.02	4.88
9500	13.59	19.69	9.44	9.45	1.04	0.75	21.48	8.89	4.97
10000	12.83	19.91	8.02	9.01	1.05	0.82	19.67	8.32	5.20
10500	11.99	20.17	7.03	8.72	1.06	0.90	17.95	7.27	5.36
11000	11.13	20.50	6.20	8.47	1.08	0.98	18.84	6.96	5.60
11500	10.26	20.80	5.63	8.10	1.08	1.05	17.10	6.42	5.71
12000	9.38	21.09	5.38	7.67	1.11	1.08	14.50	5.95	5.85

Typical Performance Data

Full 2-Port Extension

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vcc = 5.25V, Id = 52mA @Temperature = +25°C

FREQ.	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10	14.65	23.49	10.84	12.63	1.33	0.93	---	15.87	7.41
20	14.99	22.48	11.77	13.16	1.23	0.86	19.85	18.18	7.22
30	15.48	21.88	11.97	12.94	1.16	0.79	19.54	17.68	6.52
40	15.92	21.40	12.59	13.73	1.13	0.72	20.05	17.70	5.93
50	16.28	20.81	13.37	14.34	1.09	0.63	20.59	17.86	5.61
60	16.64	20.93	14.17	15.53	1.09	0.61	20.58	17.86	5.25
70	16.89	20.47	15.08	16.32	1.07	0.54	21.04	17.67	4.94
80	17.09	20.28	16.00	17.25	1.06	0.50	21.92	17.63	4.71
90	17.24	20.13	16.96	18.13	1.05	0.47	22.37	17.52	4.55
100	17.35	20.04	18.02	19.09	1.04	0.45	22.66	17.43	4.44
200	17.60	19.89	27.87	27.06	1.03	0.41	30.12	17.25	3.95
250	17.55	20.02	32.53	29.29	1.04	0.43	30.27	17.18	3.95
300	17.53	20.02	33.19	30.59	1.04	0.43	31.52	17.20	3.96
350	17.49	20.08	33.93	30.54	1.04	0.45	31.94	17.23	4.06
400	17.47	20.10	33.23	29.63	1.05	0.45	32.49	17.23	3.99
450	17.44	20.13	32.17	29.26	1.05	0.46	31.99	17.36	4.05
500	17.42	20.17	32.04	28.58	1.05	0.47	31.71	17.14	4.05
550	17.42	20.16	32.05	28.44	1.05	0.47	31.66	17.16	4.03
600	17.40	20.20	31.92	28.05	1.05	0.47	32.69	17.34	4.02
650	17.39	20.20	31.23	27.90	1.05	0.48	31.85	17.21	4.05
700	17.37	20.23	30.65	27.47	1.05	0.48	31.43	17.17	4.01
750	17.37	20.23	30.71	27.20	1.05	0.48	31.40	17.12	3.99
800	17.36	20.22	31.00	26.64	1.05	0.48	31.43	17.13	3.91
850	17.36	20.23	30.37	26.49	1.05	0.48	31.28	17.13	3.90
1000	17.34	20.26	30.17	25.47	1.05	0.49	31.32	17.09	3.94
1500	17.31	20.27	27.47	24.44	1.06	0.49	31.05	16.87	3.97
2000	17.31	20.25	25.31	25.68	1.06	0.49	30.28	16.85	3.96
2500	17.30	20.24	23.24	25.34	1.06	0.49	29.50	16.55	4.03
3000	17.30	20.21	22.32	20.36	1.05	0.48	29.11	16.32	4.11
3500	17.29	20.14	22.38	18.00	1.05	0.46	27.89	16.28	4.11
4000	17.28	20.04	24.69	16.81	1.04	0.44	26.72	15.72	4.26
4500	17.26	19.94	25.76	15.91	1.04	0.43	25.77	15.11	4.31
5000	17.22	19.84	25.74	15.67	1.03	0.42	25.27	14.42	4.30
5500	17.12	19.74	21.05	14.18	1.03	0.40	24.56	14.22	4.42
6000	16.93	19.69	16.87	12.19	1.02	0.40	24.07	13.67	4.43
6500	16.61	19.74	14.13	10.48	1.01	0.41	23.62	12.90	4.60
7000	16.26	19.77	12.82	9.71	1.01	0.44	23.48	12.17	4.68
7500	15.89	19.76	12.51	9.94	1.00	0.51	23.69	11.58	4.71
8000	15.52	19.70	12.42	10.37	1.00	0.58	22.32	10.62	4.78
8500	15.11	19.69	12.17	10.62	1.01	0.63	21.84	9.88	4.87
9000	14.61	19.67	11.08	10.36	1.02	0.68	22.19	9.68	5.03
9500	13.97	19.79	9.33	10.07	1.03	0.75	22.03	9.56	5.15
10000	13.20	20.06	7.79	9.68	1.04	0.84	20.54	8.99	5.39
10500	12.35	20.35	6.82	9.25	1.06	0.92	18.79	7.93	5.59
11000	11.48	20.64	6.10	8.81	1.06	1.00	19.79	7.64	5.81
11500	10.58	21.01	5.51	8.47	1.07	1.07	18.11	7.08	5.96
12000	9.70	21.27	5.14	8.08	1.08	1.12	15.24	6.39	6.10

Typical Performance Data

Without Full 2-Port Extension

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vcc = 5V, Id = 47mA @Temperature = +25°C

FREQ.	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10.00	14.37	24.12	9.66	11.93	1.37	0.98	---	15.18	7.76
20.00	14.70	22.41	10.98	12.52	1.23	0.88	16.93	17.47	7.51
30.00	15.33	21.87	11.39	12.37	1.16	0.79	17.87	16.89	6.66
40.00	15.85	21.36	12.12	13.22	1.12	0.71	19.23	16.84	5.98
50.00	16.26	20.66	13.13	13.96	1.08	0.61	19.89	17.07	5.59
60.00	16.63	20.75	13.90	15.11	1.08	0.59	21.49	16.93	5.21
70.00	16.88	20.38	14.88	15.94	1.06	0.53	23.49	16.63	4.93
80.00	17.08	20.21	15.86	16.89	1.05	0.49	25.43	16.60	4.67
90.00	17.22	20.07	16.86	17.82	1.05	0.46	26.92	16.24	4.49
100.00	17.31	19.99	17.93	18.79	1.04	0.44	27.76	16.05	4.41
200.00	17.51	19.86	27.95	26.56	1.04	0.42	29.94	15.96	3.92
250.00	17.44	19.97	33.35	28.53	1.04	0.44	29.79	15.90	3.90
300.00	17.41	20.00	35.37	29.30	1.04	0.45	30.21	16.17	3.92
350.00	17.36	20.09	36.62	29.05	1.05	0.47	29.78	16.23	4.01
400.00	17.33	20.12	35.76	28.46	1.05	0.47	30.49	16.46	3.97
450.00	17.29	20.18	34.53	28.03	1.05	0.48	30.47	16.40	4.01
500.00	17.27	20.16	34.27	27.38	1.05	0.49	30.31	16.38	3.99
550.00	17.25	20.19	34.07	27.25	1.06	0.49	30.06	16.40	4.00
600.00	17.23	20.22	33.86	26.83	1.06	0.50	30.56	16.40	3.96
650.00	17.22	20.24	33.12	26.76	1.06	0.50	30.22	16.46	4.02
700.00	17.19	20.26	32.38	26.26	1.06	0.51	30.36	16.41	3.96
750.00	17.18	20.28	32.33	26.11	1.06	0.51	30.29	16.14	3.95
800.00	17.17	20.31	32.38	25.66	1.06	0.51	30.19	16.37	3.89
850.00	17.15	20.31	31.71	25.46	1.06	0.51	30.04	16.37	3.86
1000.00	17.12	20.35	31.24	24.56	1.07	0.52	30.01	16.34	3.90
1500.00	17.04	20.41	28.07	23.60	1.07	0.54	29.95	16.12	3.87
2000.00	16.99	20.43	26.12	24.77	1.08	0.54	29.55	15.89	3.91
2500.00	16.95	20.44	24.35	24.66	1.08	0.55	28.36	15.80	4.00
3000.00	16.91	20.45	23.38	20.26	1.08	0.55	28.32	15.59	4.06
3500.00	16.85	20.42	23.67	17.93	1.08	0.54	27.24	15.60	4.06
4000.00	16.81	20.36	26.11	16.71	1.07	0.53	26.25	15.07	4.21
4500.00	16.74	20.30	27.36	15.81	1.07	0.53	25.47	14.45	4.27
5000.00	16.66	20.19	27.21	15.60	1.07	0.52	24.89	13.98	4.24
5500.00	16.53	20.11	22.10	14.25	1.06	0.52	24.32	13.58	4.35
6000.00	16.30	20.07	17.72	12.34	1.06	0.51	23.80	13.25	4.38
6500.00	15.94	20.16	14.88	10.70	1.06	0.53	23.32	12.49	4.51
7000.00	15.55	20.22	13.56	9.98	1.06	0.56	23.23	11.75	4.59
7500.00	15.14	20.23	13.27	10.19	1.07	0.62	23.37	11.37	4.63
8000.00	14.74	20.20	13.16	10.60	1.08	0.67	21.88	10.41	4.74
8500.00	14.30	20.23	12.93	10.84	1.10	0.72	21.46	9.67	4.78
9000.00	13.77	20.23	11.88	10.62	1.13	0.75	21.95	9.47	4.95
9500.00	13.11	20.37	10.18	10.40	1.16	0.81	21.79	9.34	5.05
10000.00	12.31	20.63	8.67	10.01	1.20	0.88	20.05	8.76	5.29
10500.00	11.44	20.94	7.73	9.60	1.25	0.94	18.29	7.70	5.47
11000.00	10.56	21.27	7.02	9.21	1.31	1.00	19.23	7.40	5.72
11500.00	9.64	21.62	6.45	8.92	1.38	1.05	17.46	6.85	5.85
12000.00	8.75	21.89	6.10	8.54	1.45	1.08	14.62	6.18	5.96



Typical Performance Data

Without Full 2-Port Extension

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vcc = 4.75V, Id = 43mA @Temperature = +25°C

FREQ.	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10	14.27	22.17	10.64	11.38	1.18	0.90	---	14.33	7.57
20	14.63	22.34	11.23	12.37	1.23	0.87	17.71	16.47	7.38
30	15.26	21.81	11.61	12.26	1.16	0.79	21.62	15.92	6.55
40	15.78	21.26	12.36	13.10	1.12	0.71	24.69	15.95	5.88
50	16.17	20.68	13.15	13.87	1.09	0.62	25.36	16.00	5.52
60	16.55	20.58	14.29	14.95	1.08	0.58	28.15	15.65	5.12
70	16.80	20.29	15.15	15.78	1.06	0.52	28.00	14.91	4.84
80	17.00	20.12	16.12	16.73	1.05	0.49	28.01	14.93	4.61
90	17.14	19.99	17.09	17.61	1.05	0.46	27.89	14.48	4.43
100	17.23	19.89	18.10	18.54	1.04	0.44	27.77	14.08	4.35
200	17.44	19.77	27.74	25.74	1.04	0.41	28.47	14.86	3.87
250	17.38	19.84	33.72	27.31	1.04	0.43	28.29	14.82	3.87
300	17.35	19.89	37.07	27.45	1.04	0.44	28.27	15.10	3.88
350	17.30	19.97	39.60	27.37	1.05	0.46	28.37	15.40	3.95
400	17.28	19.99	39.78	27.02	1.05	0.46	28.37	15.43	3.92
450	17.25	20.05	38.10	26.65	1.05	0.47	28.81	15.37	3.96
500	17.22	20.05	37.30	26.04	1.05	0.48	28.75	15.36	3.96
550	17.21	20.07	36.32	25.99	1.05	0.48	28.66	15.36	3.94
600	17.19	20.10	35.46	25.72	1.05	0.49	29.43	15.60	3.92
650	17.18	20.11	34.68	25.49	1.06	0.49	29.39	15.43	3.98
700	17.16	20.13	34.08	25.02	1.06	0.49	28.86	15.39	3.91
750	17.15	20.14	33.70	24.80	1.06	0.50	28.71	15.33	3.92
800	17.13	20.17	33.37	24.52	1.06	0.50	28.86	15.35	3.86
850	17.12	20.18	32.72	24.35	1.06	0.50	28.53	15.35	3.81
1000	17.09	20.22	31.99	23.40	1.06	0.51	28.21	15.31	3.85
1500	17.02	20.25	28.23	22.58	1.07	0.52	28.50	15.10	3.80
2000	16.98	20.26	26.50	23.66	1.07	0.53	28.08	15.09	3.87
2500	16.95	20.26	25.25	23.49	1.07	0.53	27.47	14.79	3.94
3000	16.91	20.24	24.04	19.89	1.07	0.52	27.43	14.57	4.04
3500	16.86	20.24	24.49	17.49	1.07	0.52	26.59	14.85	4.01
4000	16.80	20.15	27.27	16.23	1.06	0.51	25.72	14.35	4.16
4500	16.73	20.11	28.53	15.40	1.06	0.51	25.06	13.95	4.22
5000	16.64	19.99	27.98	15.12	1.06	0.50	24.42	13.48	4.18
5500	16.50	19.92	22.35	13.94	1.05	0.50	23.99	13.10	4.32
6000	16.25	19.88	17.69	12.07	1.05	0.50	23.59	12.79	4.34
6500	15.89	19.94	14.73	10.47	1.05	0.51	23.19	12.05	4.46
7000	15.47	20.02	13.40	9.77	1.05	0.55	23.04	11.30	4.57
7500	15.06	20.04	13.08	9.93	1.05	0.61	23.13	10.92	4.56
8000	14.65	20.02	12.97	10.32	1.07	0.67	21.57	10.18	4.67
8500	14.21	19.98	12.67	10.52	1.08	0.71	21.12	9.44	4.69
9000	13.67	20.00	11.66	10.33	1.11	0.75	21.65	9.02	4.88
9500	13.01	20.16	10.01	10.13	1.14	0.81	21.48	8.89	4.97
10000	12.22	20.39	8.49	9.72	1.17	0.87	19.67	8.32	5.20
10500	11.34	20.75	7.58	9.33	1.23	0.94	17.95	7.27	5.36
11000	10.47	21.03	6.88	9.01	1.27	1.00	18.84	6.96	5.60
11500	9.57	21.38	6.29	8.73	1.33	1.05	17.10	6.42	5.71
12000	8.68	21.70	5.92	8.35	1.40	1.08	14.50	5.95	5.85



Typical Performance Data

Without Full 2-Port Extension

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vcc = 5.25V, Id =52mA @Temperature = +25°C

FREQ.	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10	14.69	22.10	11.40	12.12	1.17	0.88	---	15.87	7.41
20	15.03	22.61	11.62	13.13	1.24	0.87	19.85	18.18	7.22
30	15.51	21.98	11.95	12.92	1.16	0.79	19.54	17.68	6.52
40	15.95	21.46	12.56	13.72	1.13	0.72	20.05	17.70	5.93
50	16.30	21.18	13.27	14.54	1.11	0.66	20.59	17.86	5.61
60	16.66	20.49	14.31	15.40	1.07	0.57	20.58	17.86	5.25
70	16.90	20.46	15.10	16.28	1.07	0.54	21.04	17.67	4.94
80	17.10	20.28	16.04	17.19	1.06	0.50	21.92	17.63	4.71
90	17.25	20.16	16.99	18.07	1.05	0.47	22.37	17.52	4.55
100	17.35	20.05	18.05	19.01	1.04	0.45	22.66	17.43	4.44
200	17.57	19.92	27.95	26.92	1.04	0.41	30.12	17.25	3.95
250	17.51	20.00	32.70	29.28	1.04	0.43	30.27	17.18	3.95
300	17.48	20.05	33.45	30.59	1.04	0.45	31.52	17.20	3.96
350	17.43	20.14	34.01	30.43	1.05	0.46	31.94	17.23	4.06
400	17.40	20.17	33.31	29.80	1.05	0.47	32.49	17.23	3.99
450	17.36	20.22	32.22	29.33	1.05	0.48	31.99	17.36	4.05
500	17.33	20.26	32.07	28.69	1.06	0.49	31.71	17.14	4.05
550	17.32	20.25	32.05	28.57	1.06	0.49	31.66	17.16	4.03
600	17.30	20.29	32.04	28.03	1.06	0.50	32.69	17.34	4.02
650	17.28	20.30	31.46	27.94	1.06	0.50	31.85	17.21	4.05
700	17.26	20.32	30.83	27.51	1.06	0.51	31.43	17.17	4.01
750	17.25	20.34	30.93	27.24	1.06	0.51	31.40	17.12	3.99
800	17.23	20.37	31.10	26.70	1.06	0.51	31.43	17.13	3.91
850	17.22	20.38	30.61	26.53	1.06	0.52	31.28	17.13	3.90
1000	17.19	20.42	30.35	25.55	1.07	0.52	31.32	17.09	3.94
1500	17.10	20.50	27.76	24.55	1.07	0.54	31.05	16.87	3.97
2000	17.05	20.50	25.72	25.79	1.08	0.55	30.28	16.85	3.96
2500	17.01	20.54	23.70	25.50	1.08	0.55	29.50	16.55	4.03
3000	16.97	20.53	22.75	20.54	1.08	0.55	29.11	16.32	4.11
3500	16.92	20.52	22.94	18.24	1.08	0.54	27.89	16.28	4.11
4000	16.89	20.42	25.30	17.06	1.07	0.53	26.72	15.72	4.26
4500	16.83	20.37	26.32	16.17	1.07	0.53	25.77	15.11	4.31
5000	16.76	20.31	26.32	15.96	1.07	0.53	25.27	14.42	4.30
5500	16.65	20.25	21.71	14.51	1.07	0.52	24.56	14.22	4.42
6000	16.42	20.22	17.54	12.53	1.06	0.52	24.07	13.67	4.43
6500	16.06	20.27	14.83	10.85	1.06	0.53	23.62	12.90	4.60
7000	15.68	20.34	13.57	10.12	1.06	0.56	23.48	12.17	4.68
7500	15.29	20.38	13.30	10.36	1.07	0.62	23.69	11.58	4.71
8000	14.90	20.35	13.22	10.80	1.08	0.67	22.32	10.62	4.78
8500	14.47	20.31	13.00	11.06	1.11	0.72	21.84	9.88	4.87
9000	13.94	20.36	11.94	10.84	1.13	0.75	22.19	9.68	5.03
9500	13.28	20.49	10.23	10.58	1.16	0.81	22.03	9.56	5.15
10000	12.49	20.77	8.70	10.19	1.20	0.88	20.54	8.99	5.39
10500	11.61	21.06	7.74	9.78	1.26	0.94	18.79	7.93	5.59
11000	10.73	21.37	7.05	9.37	1.31	1.00	19.79	7.64	5.81
11500	9.81	21.77	6.49	9.06	1.39	1.05	18.11	7.08	5.96
12000	8.91	22.07	6.13	8.66	1.47	1.08	15.24	6.39	6.10

