

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: Vd = 5.00V, Id = 93mA @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	20.94	25.10	18.82	9.55	1.04	0.49	---	19.71	3.74
30	20.74	24.82	21.00	10.29	1.05	0.50	43.91	19.86	3.74
50	20.54	24.53	23.41	11.07	1.05	0.51	39.84	20.04	3.75
70	20.39	24.32	25.57	11.67	1.06	0.52	39.79	20.23	3.77
90	20.35	24.28	26.63	11.86	1.06	0.52	40.14	20.41	3.76
100	20.33	24.27	26.85	11.89	1.06	0.52	39.92	20.59	3.76
200	20.31	24.26	26.84	11.89	1.06	0.52	39.87	20.76	3.83
300	20.29	24.27	26.31	11.80	1.07	0.52	40.31	20.81	3.93
400	20.27	24.28	25.40	11.64	1.07	0.52	39.69	20.81	3.96
500	20.24	24.29	24.26	11.43	1.07	0.52	38.54	20.78	3.98
600	20.21	24.31	23.10	11.19	1.07	0.52	38.30	20.76	3.98
700	20.18	24.34	21.96	10.94	1.07	0.51	37.51	20.72	3.96
800	20.15	24.36	20.89	10.68	1.07	0.51	37.17	20.65	3.94
900	20.11	24.40	19.94	10.43	1.07	0.51	36.27	20.57	3.93
1000	20.06	24.43	19.05	10.19	1.07	0.51	35.45	20.52	3.93
1200	19.96	24.49	17.56	9.76	1.08	0.51	34.14	20.29	3.88
1400	19.85	24.54	16.39	9.40	1.08	0.51	32.95	19.95	3.92
1600	19.74	24.57	15.54	9.12	1.08	0.51	31.77	19.52	3.93
1800	19.61	24.56	15.00	8.90	1.09	0.52	30.40	18.95	3.91
2000	19.47	24.52	14.73	8.73	1.08	0.52	29.13	18.29	3.90
2100	19.39	24.49	14.68	8.66	1.08	0.52	28.17	17.95	3.91
2200	19.30	24.46	14.70	8.58	1.08	0.53	27.84	17.60	3.95
2300	19.21	24.41	14.76	8.50	1.08	0.53	27.43	17.22	4.00
2400	19.11	24.35	14.87	8.43	1.08	0.54	26.87	16.85	3.98
2500	19.01	24.29	15.00	8.34	1.07	0.54	26.26	16.52	3.98
2600	18.90	24.21	15.16	8.26	1.07	0.54	25.67	16.15	4.04
2700	18.78	24.13	15.33	8.17	1.06	0.55	25.29	15.77	4.09
2800	18.64	24.04	15.49	8.08	1.06	0.55	24.74	15.44	4.09
2900	18.50	23.96	15.64	8.00	1.05	0.56	24.41	15.12	4.08
3000	18.35	23.87	15.75	7.90	1.05	0.57	23.51	14.77	4.10
3100	18.20	23.78	15.82	7.82	1.04	0.57	23.44	14.42	4.15
3200	18.03	23.68	15.83	7.73	1.04	0.58	22.74	14.06	4.17
3300	17.85	23.57	15.78	7.65	1.03	0.59	22.34	13.78	4.14
3400	17.67	23.47	15.69	7.57	1.03	0.60	22.10	13.50	4.15
3500	17.48	23.36	15.56	7.51	1.02	0.60	21.94	13.21	4.19
3600	17.29	23.25	15.40	7.45	1.02	0.61	21.31	12.95	4.19
3700	17.09	23.14	15.23	7.41	1.02	0.62	21.40	12.71	4.21
3800	16.88	23.02	15.06	7.38	1.02	0.63	20.93	12.45	4.20
3900	16.68	22.91	14.92	7.37	1.02	0.64	20.64	12.21	4.25
4000	16.47	22.80	14.77	7.37	1.02	0.65	20.69	11.95	4.30
4100	16.26	22.69	14.64	7.38	1.02	0.66	19.94	11.74	4.32
4200	16.05	22.58	14.51	7.40	1.03	0.67	19.76	11.51	4.31
4300	15.83	22.47	14.43	7.42	1.03	0.68	19.78	11.25	4.27
4400	15.62	22.35	14.37	7.46	1.04	0.69	19.17	10.98	4.30
4500	15.40	22.23	14.35	7.50	1.04	0.70	19.30	10.73	4.38
4600	15.19	22.12	14.38	7.54	1.05	0.70	18.95	10.53	4.40
4700	14.98	22.00	14.46	7.58	1.06	0.71	18.81	10.33	4.39
4800	14.76	21.89	14.61	7.60	1.07	0.71	18.68	10.14	4.40
4900	14.54	21.78	14.77	7.63	1.08	0.72	18.52	9.94	4.39
5000	14.32	21.68	14.97	7.64	1.09	0.72	18.24	9.75	4.41



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: Vd = 4.75V, Id = 83mA @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	20.89	25.02	18.51	9.49	1.04	0.48	---	18.90	3.68
30	20.69	24.75	20.58	10.21	1.05	0.50	41.82	19.05	3.68
50	20.49	24.48	22.85	10.97	1.05	0.51	37.95	19.22	3.68
70	20.34	24.28	24.85	11.56	1.06	0.51	38.10	19.40	3.70
90	20.30	24.24	25.80	11.74	1.06	0.52	39.24	19.56	3.69
100	20.28	24.23	26.00	11.78	1.06	0.52	39.61	19.74	3.69
200	20.26	24.22	25.97	11.77	1.06	0.52	39.53	19.89	3.76
300	20.24	24.22	25.48	11.68	1.06	0.52	39.33	19.95	3.86
400	20.22	24.23	24.66	11.52	1.07	0.52	39.20	19.98	3.90
500	20.19	24.25	23.62	11.32	1.07	0.51	38.03	19.96	3.89
600	20.16	24.27	22.54	11.08	1.07	0.51	36.80	19.95	3.89
700	20.13	24.29	21.48	10.84	1.07	0.51	36.33	19.90	3.90
800	20.09	24.31	20.47	10.58	1.07	0.51	36.03	19.85	3.85
900	20.04	24.35	19.57	10.34	1.07	0.51	35.43	19.83	3.87
1000	20.00	24.37	18.72	10.10	1.07	0.51	34.98	19.80	3.89
1200	19.89	24.44	17.29	9.68	1.08	0.51	33.55	19.65	3.82
1400	19.77	24.49	16.17	9.34	1.08	0.51	32.42	19.39	3.85
1600	19.65	24.51	15.36	9.07	1.09	0.51	31.31	19.00	3.85
1800	19.51	24.51	14.83	8.86	1.09	0.52	30.10	18.47	3.88
2000	19.36	24.47	14.57	8.69	1.09	0.52	28.51	17.81	3.83
2100	19.28	24.43	14.53	8.62	1.08	0.53	27.72	17.47	3.84
2200	19.19	24.39	14.55	8.55	1.08	0.53	27.35	17.13	3.87
2300	19.10	24.34	14.61	8.48	1.08	0.53	27.05	16.76	3.92
2400	19.00	24.28	14.73	8.41	1.08	0.54	26.44	16.39	3.91
2500	18.89	24.21	14.85	8.33	1.07	0.54	25.87	16.05	3.93
2600	18.77	24.14	15.01	8.25	1.07	0.55	25.12	15.69	3.97
2700	18.65	24.06	15.19	8.17	1.06	0.55	24.78	15.33	4.01
2800	18.52	23.97	15.35	8.07	1.06	0.56	24.26	14.99	4.02
2900	18.37	23.88	15.51	7.99	1.05	0.56	23.98	14.65	3.99
3000	18.22	23.79	15.61	7.90	1.05	0.57	23.04	14.31	4.03
3100	18.06	23.69	15.69	7.82	1.04	0.58	22.93	13.95	4.06
3200	17.89	23.59	15.71	7.74	1.04	0.58	22.25	13.64	4.07
3300	17.72	23.49	15.67	7.65	1.04	0.59	21.90	13.35	4.04
3400	17.54	23.39	15.60	7.58	1.03	0.60	21.62	13.04	4.07
3500	17.34	23.29	15.47	7.52	1.03	0.61	21.47	12.77	4.13
3600	17.15	23.18	15.33	7.46	1.03	0.62	20.85	12.51	4.09
3700	16.95	23.07	15.17	7.42	1.02	0.63	20.90	12.24	4.12
3800	16.75	22.96	15.01	7.39	1.02	0.63	20.46	11.99	4.12
3900	16.54	22.85	14.87	7.39	1.02	0.64	20.20	11.75	4.15
4000	16.34	22.73	14.73	7.39	1.03	0.65	20.27	11.49	4.20
4100	16.13	22.62	14.61	7.40	1.03	0.66	19.50	11.28	4.21
4200	15.91	22.50	14.49	7.42	1.03	0.67	19.33	11.05	4.20
4300	15.70	22.39	14.40	7.44	1.04	0.68	19.37	10.80	4.18
4400	15.49	22.27	14.35	7.48	1.04	0.69	18.75	10.53	4.23
4500	15.28	22.16	14.33	7.52	1.05	0.70	18.91	10.28	4.30
4600	15.06	22.04	14.36	7.56	1.06	0.70	18.55	10.08	4.28
4700	14.85	21.93	14.44	7.60	1.06	0.71	18.35	9.88	4.26
4800	14.64	21.82	14.60	7.63	1.07	0.72	18.27	9.69	4.29
4900	14.42	21.71	14.77	7.65	1.08	0.72	18.09	9.50	4.29
5000	14.21	21.61	14.98	7.66	1.09	0.72	17.83	9.33	4.29

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: Vd = 5.25V, Id = 103mA @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	20.97	25.12	19.09	9.65	1.04	0.49	---	20.20	3.79
30	20.78	24.84	21.34	10.38	1.05	0.50	42.69	20.36	3.80
50	20.58	24.56	23.86	11.15	1.05	0.51	39.15	20.53	3.81
70	20.43	24.36	26.12	11.76	1.06	0.52	39.61	20.72	3.83
90	20.38	24.31	27.27	11.95	1.06	0.52	40.23	20.88	3.83
100	20.37	24.30	27.53	11.99	1.06	0.52	40.93	21.06	3.83
200	20.35	24.29	27.54	11.98	1.06	0.52	41.92	21.22	3.90
300	20.33	24.29	26.98	11.89	1.06	0.52	41.26	21.23	4.00
400	20.31	24.30	26.01	11.73	1.07	0.52	40.09	21.23	4.03
500	20.28	24.32	24.80	11.51	1.07	0.52	39.70	21.17	4.03
600	20.26	24.34	23.56	11.27	1.07	0.52	38.97	21.12	4.04
700	20.23	24.37	22.36	11.01	1.07	0.51	38.01	21.04	4.05
800	20.19	24.40	21.24	10.75	1.07	0.51	36.86	20.93	4.01
900	20.16	24.43	20.25	10.50	1.07	0.51	36.13	20.82	3.99
1000	20.11	24.46	19.32	10.25	1.07	0.51	35.48	20.76	4.00
1200	20.02	24.53	17.79	9.81	1.08	0.51	34.53	20.50	3.96
1400	19.92	24.57	16.58	9.45	1.08	0.51	32.98	20.15	4.00
1600	19.81	24.60	15.71	9.16	1.08	0.51	31.92	19.74	4.00
1800	19.69	24.61	15.15	8.93	1.08	0.51	30.80	19.15	3.97
2000	19.55	24.57	14.87	8.75	1.08	0.52	29.53	18.50	3.96
2100	19.48	24.54	14.82	8.67	1.08	0.52	28.67	18.16	3.99
2200	19.40	24.50	14.84	8.59	1.08	0.52	28.26	17.81	4.06
2300	19.31	24.45	14.90	8.51	1.08	0.53	27.87	17.44	4.09
2400	19.22	24.39	15.01	8.43	1.07	0.53	27.34	17.05	4.04
2500	19.11	24.33	15.14	8.34	1.07	0.54	26.72	16.72	4.06
2600	19.00	24.26	15.30	8.26	1.06	0.54	26.08	16.37	4.10
2700	18.89	24.18	15.47	8.17	1.06	0.54	25.68	16.01	4.14
2800	18.76	24.10	15.63	8.07	1.05	0.55	25.08	15.68	4.18
2900	18.62	24.01	15.78	7.98	1.05	0.56	24.77	15.32	4.16
3000	18.47	23.92	15.88	7.88	1.04	0.56	23.94	14.99	4.19
3100	18.31	23.82	15.94	7.80	1.04	0.57	23.89	14.68	4.24
3200	18.15	23.73	15.94	7.71	1.03	0.58	23.19	14.37	4.25
3300	17.97	23.63	15.88	7.62	1.03	0.58	22.80	14.06	4.23
3400	17.79	23.52	15.78	7.55	1.02	0.59	22.58	13.72	4.25
3500	17.60	23.41	15.63	7.48	1.02	0.60	22.47	13.45	4.30
3600	17.41	23.30	15.46	7.42	1.01	0.61	21.85	13.19	4.30
3700	17.21	23.19	15.28	7.38	1.01	0.62	21.89	12.90	4.31
3800	17.00	23.07	15.10	7.35	1.01	0.63	21.46	12.64	4.31
3900	16.80	22.96	14.95	7.34	1.01	0.64	21.18	12.42	4.35
4000	16.59	22.85	14.79	7.34	1.01	0.65	21.19	12.18	4.39
4100	16.38	22.74	14.66	7.34	1.01	0.66	20.40	11.92	4.42
4200	16.16	22.63	14.52	7.37	1.02	0.67	20.29	11.71	4.41
4300	15.94	22.52	14.43	7.39	1.02	0.68	20.32	11.48	4.37
4400	15.73	22.40	14.38	7.43	1.03	0.69	19.64	11.25	4.42
4500	15.51	22.28	14.35	7.47	1.03	0.69	19.79	11.03	4.49
4600	15.30	22.17	14.38	7.50	1.04	0.70	19.47	10.80	4.51
4700	15.08	22.05	14.46	7.55	1.05	0.71	19.35	10.60	4.50
4800	14.87	21.94	14.60	7.57	1.06	0.71	19.22	10.41	4.52
4900	14.65	21.83	14.76	7.59	1.07	0.72	19.05	10.21	4.51
5000	14.43	21.72	14.95	7.60	1.08	0.72	18.75	9.99	4.52



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: Vd = 5.00V, Id = 93mA @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	20.97	25.09	18.60	9.46	1.04	0.48	---	19.71	3.74
30	20.78	24.78	20.77	10.20	1.04	0.49	43.91	19.86	3.74
50	20.57	24.46	23.17	10.98	1.05	0.50	39.84	20.04	3.75
70	20.42	24.25	25.30	11.60	1.05	0.51	39.79	20.23	3.77
90	20.37	24.22	26.36	11.79	1.06	0.51	40.14	20.41	3.76
100	20.35	24.21	26.60	11.83	1.06	0.51	39.92	20.59	3.76
200	20.31	24.21	26.64	11.83	1.06	0.51	39.87	20.76	3.83
300	20.28	24.22	26.19	11.77	1.06	0.52	40.31	20.81	3.93
400	20.24	24.25	25.39	11.63	1.07	0.52	39.69	20.81	3.96
500	20.20	24.28	24.34	11.45	1.07	0.52	38.54	20.78	3.98
600	20.16	24.32	23.27	11.24	1.07	0.52	38.30	20.76	3.98
700	20.11	24.36	22.20	11.02	1.07	0.52	37.51	20.72	3.96
800	20.06	24.40	21.19	10.80	1.08	0.52	37.17	20.65	3.94
900	20.01	24.43	20.28	10.59	1.08	0.53	36.27	20.57	3.93
1000	19.96	24.47	19.43	10.39	1.08	0.53	35.45	20.52	3.93
1200	19.84	24.54	18.03	10.04	1.09	0.53	34.14	20.29	3.88
1400	19.71	24.60	16.96	9.77	1.10	0.54	32.95	19.95	3.92
1600	19.57	24.64	16.21	9.58	1.10	0.55	31.77	19.52	3.93
1800	19.43	24.65	15.74	9.44	1.11	0.56	30.40	18.95	3.91
2000	19.26	24.62	15.58	9.34	1.11	0.57	29.13	18.29	3.90
2100	19.17	24.59	15.59	9.31	1.11	0.57	28.17	17.95	3.91
2200	19.08	24.55	15.67	9.26	1.11	0.58	27.84	17.60	3.95
2300	18.98	24.50	15.79	9.21	1.11	0.59	27.43	17.22	4.00
2400	18.87	24.45	15.96	9.15	1.11	0.59	26.87	16.85	3.98
2500	18.75	24.39	16.15	9.07	1.11	0.60	26.26	16.52	3.98
2600	18.63	24.32	16.36	8.98	1.10	0.60	25.67	16.15	4.04
2700	18.49	24.25	16.59	8.89	1.10	0.61	25.29	15.77	4.09
2800	18.34	24.17	16.79	8.79	1.10	0.61	24.74	15.44	4.09
2900	18.19	24.09	16.96	8.69	1.09	0.62	24.41	15.12	4.08
3000	18.02	24.01	17.05	8.58	1.09	0.63	23.51	14.77	4.10
3100	17.84	23.92	17.08	8.48	1.09	0.64	23.44	14.42	4.15
3200	17.66	23.84	17.03	8.37	1.09	0.64	22.74	14.06	4.17
3300	17.47	23.75	16.92	8.27	1.08	0.65	22.34	13.78	4.14
3400	17.26	23.66	16.75	8.18	1.08	0.66	22.10	13.50	4.15
3500	17.06	23.57	16.53	8.10	1.08	0.67	21.94	13.21	4.19
3600	16.84	23.48	16.28	8.03	1.08	0.68	21.31	12.95	4.19
3700	16.62	23.38	16.02	7.98	1.08	0.69	21.40	12.71	4.21
3800	16.40	23.28	15.76	7.93	1.09	0.69	20.93	12.45	4.20
3900	16.18	23.19	15.53	7.91	1.09	0.70	20.64	12.21	4.25
4000	15.95	23.09	15.30	7.90	1.10	0.71	20.69	11.95	4.30
4100	15.72	23.00	15.09	7.89	1.10	0.72	19.94	11.74	4.32
4200	15.48	22.91	14.90	7.91	1.11	0.73	19.76	11.51	4.31
4300	15.25	22.81	14.74	7.93	1.12	0.74	19.78	11.25	4.27
4400	15.02	22.72	14.60	7.96	1.13	0.75	19.17	10.98	4.30
4500	14.78	22.62	14.50	8.00	1.14	0.76	19.30	10.73	4.38
4600	14.55	22.52	14.47	8.03	1.15	0.76	18.95	10.53	4.40
4700	14.32	22.42	14.48	8.06	1.17	0.77	18.81	10.33	4.39
4800	14.09	22.33	14.56	8.07	1.18	0.77	18.68	10.14	4.40
4900	13.86	22.24	14.66	8.09	1.20	0.78	18.52	9.94	4.39
5000	13.62	22.15	14.79	8.09	1.21	0.78	18.24	9.75	4.41



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: Vd = 4.75V, Id = 83mA @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	20.93	25.05	18.45	9.40	1.04	0.48	---	18.90	3.68
30	20.73	24.74	20.46	10.13	1.04	0.49	41.82	19.05	3.68
50	20.53	24.43	22.68	10.89	1.05	0.50	37.95	19.22	3.68
70	20.37	24.21	24.66	11.49	1.05	0.50	38.10	19.40	3.70
90	20.32	24.18	25.61	11.68	1.06	0.51	39.24	19.56	3.69
100	20.30	24.17	25.83	11.72	1.06	0.51	39.61	19.74	3.69
200	20.27	24.18	25.85	11.73	1.06	0.51	39.53	19.89	3.76
300	20.23	24.19	25.44	11.66	1.06	0.51	39.33	19.95	3.86
400	20.20	24.21	24.71	11.53	1.07	0.52	39.20	19.98	3.90
500	20.15	24.24	23.75	11.35	1.07	0.52	38.03	19.96	3.89
600	20.11	24.27	22.74	11.14	1.07	0.52	36.80	19.95	3.89
700	20.06	24.31	21.74	10.93	1.07	0.52	36.33	19.90	3.90
800	20.01	24.35	20.79	10.72	1.08	0.52	36.03	19.85	3.85
900	19.95	24.39	19.93	10.51	1.08	0.52	35.43	19.83	3.87
1000	19.90	24.43	19.12	10.31	1.08	0.53	34.98	19.80	3.89
1200	19.77	24.50	17.78	9.97	1.09	0.53	33.55	19.65	3.82
1400	19.63	24.55	16.75	9.71	1.10	0.54	32.42	19.39	3.85
1600	19.49	24.59	16.03	9.53	1.10	0.55	31.31	19.00	3.85
1800	19.34	24.59	15.59	9.40	1.11	0.56	30.10	18.47	3.88
2000	19.17	24.55	15.44	9.31	1.11	0.57	28.51	17.81	3.83
2100	19.08	24.52	15.46	9.28	1.11	0.58	27.72	17.47	3.84
2200	18.98	24.48	15.54	9.24	1.11	0.58	27.35	17.13	3.87
2300	18.87	24.44	15.66	9.18	1.11	0.59	27.05	16.76	3.92
2400	18.76	24.38	15.83	9.13	1.11	0.59	26.44	16.39	3.91
2500	18.64	24.32	16.02	9.05	1.11	0.60	25.87	16.05	3.93
2600	18.51	24.25	16.23	8.97	1.11	0.61	25.12	15.69	3.97
2700	18.37	24.19	16.47	8.89	1.10	0.61	24.78	15.33	4.01
2800	18.23	24.11	16.67	8.78	1.10	0.62	24.26	14.99	4.02
2900	18.07	24.03	16.85	8.69	1.10	0.62	23.98	14.65	3.99
3000	17.90	23.95	16.95	8.58	1.10	0.63	23.04	14.31	4.03
3100	17.72	23.87	17.00	8.48	1.09	0.64	22.93	13.95	4.06
3200	17.54	23.78	16.97	8.38	1.09	0.65	22.25	13.64	4.07
3300	17.34	23.69	16.87	8.27	1.09	0.65	21.90	13.35	4.04
3400	17.14	23.60	16.72	8.19	1.09	0.66	21.62	13.04	4.07
3500	16.93	23.51	16.52	8.11	1.09	0.67	21.47	12.77	4.13
3600	16.72	23.42	16.28	8.03	1.09	0.68	20.85	12.51	4.09
3700	16.50	23.32	16.03	7.99	1.09	0.69	20.90	12.24	4.12
3800	16.28	23.23	15.78	7.94	1.09	0.70	20.46	11.99	4.12
3900	16.06	23.13	15.56	7.92	1.10	0.70	20.20	11.75	4.15
4000	15.83	23.03	15.33	7.91	1.10	0.71	20.27	11.49	4.20
4100	15.60	22.94	15.13	7.90	1.11	0.72	19.50	11.28	4.21
4200	15.37	22.85	14.94	7.92	1.12	0.73	19.33	11.05	4.20
4300	15.14	22.76	14.78	7.94	1.13	0.74	19.37	10.80	4.18
4400	14.91	22.66	14.64	7.97	1.14	0.75	18.75	10.53	4.23
4500	14.68	22.56	14.54	8.01	1.15	0.76	18.91	10.28	4.30
4600	14.45	22.46	14.50	8.04	1.16	0.76	18.55	10.08	4.28
4700	14.22	22.37	14.53	8.07	1.17	0.77	18.35	9.88	4.26
4800	13.99	22.28	14.61	8.08	1.19	0.77	18.27	9.69	4.29
4900	13.76	22.18	14.71	8.10	1.20	0.78	18.09	9.50	4.29
5000	13.53	22.09	14.84	8.10	1.22	0.78	17.83	9.33	4.29



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: Vd = 5.25V, Id = 103mA @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	21.01	25.04	18.95	9.56	1.03	0.48	---	20.20	3.79
30	20.81	24.76	21.16	10.30	1.04	0.49	42.69	20.36	3.80
50	20.61	24.48	23.61	11.07	1.05	0.50	39.15	20.53	3.81
70	20.45	24.28	25.84	11.68	1.05	0.51	39.61	20.72	3.83
90	20.40	24.24	26.98	11.88	1.06	0.51	40.23	20.88	3.83
100	20.38	24.24	27.26	11.92	1.06	0.51	40.93	21.06	3.83
200	20.35	24.24	27.31	11.92	1.06	0.52	41.92	21.22	3.90
300	20.31	24.25	26.85	11.85	1.06	0.52	41.26	21.23	4.00
400	20.28	24.28	25.99	11.71	1.07	0.52	40.09	21.23	4.03
500	20.24	24.30	24.86	11.53	1.07	0.52	39.70	21.17	4.03
600	20.20	24.34	23.71	11.32	1.07	0.52	38.97	21.12	4.04
700	20.16	24.38	22.59	11.10	1.07	0.52	38.01	21.04	4.05
800	20.11	24.42	21.53	10.87	1.08	0.52	36.86	20.93	4.01
900	20.06	24.46	20.59	10.66	1.08	0.53	36.13	20.82	3.99
1000	20.01	24.50	19.70	10.45	1.08	0.53	35.48	20.76	4.00
1200	19.89	24.57	18.25	10.09	1.09	0.53	34.53	20.50	3.96
1400	19.77	24.64	17.14	9.81	1.10	0.54	32.98	20.15	4.00
1600	19.64	24.68	16.36	9.61	1.10	0.55	31.92	19.74	4.00
1800	19.50	24.69	15.88	9.46	1.11	0.56	30.80	19.15	3.97
2000	19.35	24.66	15.71	9.36	1.11	0.57	29.53	18.50	3.96
2100	19.26	24.63	15.72	9.32	1.11	0.57	28.67	18.16	3.99
2200	19.17	24.59	15.80	9.27	1.11	0.58	28.26	17.81	4.06
2300	19.07	24.55	15.92	9.21	1.11	0.58	27.87	17.44	4.09
2400	18.97	24.49	16.08	9.15	1.10	0.59	27.34	17.05	4.04
2500	18.85	24.43	16.27	9.07	1.10	0.59	26.72	16.72	4.06
2600	18.73	24.36	16.48	8.98	1.10	0.60	26.08	16.37	4.10
2700	18.60	24.29	16.71	8.89	1.10	0.60	25.68	16.01	4.14
2800	18.45	24.21	16.90	8.79	1.09	0.61	25.08	15.68	4.18
2900	18.30	24.13	17.06	8.69	1.09	0.62	24.77	15.32	4.16
3000	18.13	24.06	17.14	8.58	1.09	0.63	23.94	14.99	4.19
3100	17.95	23.98	17.15	8.47	1.08	0.63	23.89	14.68	4.24
3200	17.77	23.89	17.08	8.36	1.08	0.64	23.19	14.37	4.25
3300	17.58	23.80	16.94	8.26	1.08	0.65	22.80	14.06	4.23
3400	17.37	23.71	16.76	8.16	1.08	0.66	22.58	13.72	4.25
3500	17.16	23.62	16.52	8.08	1.08	0.67	22.47	13.45	4.30
3600	16.95	23.52	16.26	8.01	1.08	0.67	21.85	13.19	4.30
3700	16.73	23.43	15.98	7.96	1.08	0.68	21.89	12.90	4.31
3800	16.51	23.33	15.72	7.91	1.08	0.69	21.46	12.64	4.31
3900	16.28	23.23	15.47	7.89	1.08	0.70	21.18	12.42	4.35
4000	16.05	23.14	15.24	7.88	1.09	0.71	21.19	12.18	4.39
4100	15.82	23.04	15.03	7.87	1.09	0.72	20.40	11.92	4.42
4200	15.58	22.95	14.83	7.89	1.10	0.73	20.29	11.71	4.41
4300	15.35	22.85	14.66	7.91	1.11	0.74	20.32	11.48	4.37
4400	15.11	22.75	14.54	7.94	1.12	0.75	19.64	11.25	4.42
4500	14.88	22.66	14.44	7.98	1.13	0.76	19.79	11.03	4.49
4600	14.64	22.56	14.40	8.01	1.15	0.76	19.47	10.80	4.51
4700	14.41	22.47	14.43	8.04	1.16	0.77	19.35	10.60	4.50
4800	14.18	22.38	14.50	8.06	1.17	0.77	19.22	10.41	4.52
4900	13.94	22.28	14.59	8.07	1.19	0.78	19.05	10.21	4.51
5000	13.70	22.20	14.71	8.08	1.20	0.78	18.75	9.99	4.52

