

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 = 5V, Id = 64mA @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)			(dBm)	(dBm)	(dB)
10	24.37	28.09	11.08	6.17	0.88	0.37	---	18.04	3.31
30	22.52	25.21	15.52	11.31	0.94	0.47	31.93	19.03	3.68
50	21.95	24.80	17.68	14.53	0.99	0.50	34.95	18.88	3.69
100	21.55	24.53	19.90	18.15	1.03	0.51	31.96	18.76	3.84
200	21.46	24.43	20.99	19.91	1.04	0.50	33.35	18.88	3.81
300	21.43	24.40	21.49	19.95	1.04	0.50	32.65	18.72	3.96
400	21.41	24.39	21.87	19.67	1.04	0.50	33.72	18.96	3.95
500	21.40	24.34	22.45	19.19	1.04	0.49	33.60	18.97	4.03
600	21.40	24.35	23.05	18.76	1.04	0.49	32.31	18.90	4.02
700	21.40	24.30	23.97	18.20	1.04	0.48	35.45	18.92	3.93
800	21.39	24.24	24.81	17.87	1.04	0.47	34.97	18.95	3.84
1000	21.39	24.14	27.36	16.96	1.04	0.45	33.76	19.10	3.83
1100	21.39	24.06	28.39	16.61	1.03	0.44	34.08	18.66	3.79
1200	21.38	23.98	30.41	16.20	1.03	0.42	32.21	18.93	3.81
1300	21.38	23.90	31.63	15.92	1.03	0.41	33.88	19.06	3.79
1400	21.36	23.80	33.75	15.56	1.02	0.40	34.06	18.98	3.78
1500	21.34	23.72	35.65	15.39	1.02	0.39	32.79	18.79	3.75
1600	21.32	23.63	37.14	14.96	1.02	0.38	31.42	18.74	3.82
1700	21.29	23.53	41.58	14.80	1.01	0.37	32.52	18.68	3.70
1800	21.24	23.47	43.48	14.43	1.01	0.36	33.44	18.58	3.75
1900	21.20	23.32	52.01	14.10	1.00	0.35	31.07	18.25	3.76
2000	21.14	23.25	47.49	13.87	1.00	0.35	32.82	18.25	3.68
2100	21.09	23.18	38.46	13.41	1.00	0.34	31.25	18.14	3.71
2200	21.00	23.08	35.32	13.21	1.00	0.34	30.51	17.85	3.75
2300	20.92	22.99	31.82	12.67	0.99	0.33	32.45	17.77	3.75
2400	20.83	22.92	29.05	12.43	0.99	0.33	31.05	17.38	3.71
2500	20.73	22.84	27.17	11.99	0.98	0.33	30.92	17.42	3.73
2600	20.61	22.81	25.09	11.62	0.98	0.34	30.57	17.27	3.81
2700	20.49	22.74	23.65	11.31	0.98	0.34	29.72	17.06	3.94
2800	20.37	22.69	22.18	10.93	0.97	0.35	30.27	17.00	3.95
2900	20.23	22.63	21.10	10.72	0.97	0.36	29.64	16.68	3.91
3000	20.09	22.59	20.05	10.39	0.97	0.36	29.59	16.47	4.05
3100	19.93	22.57	19.10	10.26	0.97	0.38	29.83	16.44	3.91
3200	19.78	22.51	18.32	10.04	0.97	0.39	29.02	16.19	3.91
3300	19.62	22.51	17.57	9.91	0.97	0.41	29.11	16.22	3.94
3400	19.46	22.44	16.99	9.82	0.96	0.42	29.12	15.85	3.86
3500	19.28	22.41	16.42	9.72	0.96	0.44	28.70	15.75	3.95
3600	19.12	22.39	15.92	9.78	0.97	0.46	28.82	15.46	3.95
3800	18.77	22.33	15.07	9.84	0.97	0.51	29.19	14.97	4.05
4000	18.42	22.29	14.41	9.98	0.97	0.55	27.96	14.72	4.09
4200	18.08	22.27	13.91	10.24	0.98	0.60	28.10	14.42	4.12
4400	17.73	22.20	13.46	10.54	0.99	0.64	27.94	13.95	4.14
4600	17.39	22.14	13.10	10.89	1.01	0.67	27.56	13.63	4.21
4800	17.06	22.07	12.83	11.24	1.02	0.70	27.40	13.34	4.33
5000	16.73	22.03	12.57	11.51	1.04	0.73	27.47	13.45	4.38
5200	16.40	21.96	12.35	11.70	1.05	0.76	27.14	12.92	4.42
5400	16.06	21.91	12.17	11.78	1.07	0.78	26.64	12.90	4.48
5600	15.73	21.85	11.99	11.72	1.09	0.79	27.16	12.43	4.61
5800	15.38	21.82	11.79	11.55	1.11	0.81	26.72	12.16	4.61
6000	15.03	21.77	11.54	11.29	1.12	0.82	26.13	12.05	4.70

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 = 59mA @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)			(dBm)	(dBm)	(dB)
10	24.22	27.64	11.02	6.11	0.88	0.33	---	17.05	3.23
30	22.37	25.04	15.58	11.12	0.94	0.46	32.15	17.98	3.60
50	21.81	24.69	18.20	14.21	1.00	0.49	31.64	17.44	3.62
100	21.41	24.38	20.85	17.57	1.03	0.50	31.28	17.29	3.76
200	21.32	24.34	22.28	19.12	1.04	0.51	33.00	17.44	3.75
300	21.30	24.33	22.91	19.17	1.04	0.50	33.07	17.29	3.88
400	21.28	24.28	23.42	18.89	1.04	0.50	32.37	17.59	3.87
500	21.26	24.25	24.04	18.53	1.04	0.49	32.05	17.62	3.95
600	21.26	24.22	24.83	18.11	1.04	0.49	31.29	17.52	3.94
700	21.26	24.18	25.90	17.63	1.04	0.48	33.00	17.55	3.87
800	21.26	24.14	26.96	17.31	1.04	0.47	31.33	17.59	3.76
1000	21.25	23.99	30.28	16.45	1.03	0.44	31.05	17.80	3.75
1100	21.25	23.96	31.75	16.12	1.03	0.44	31.71	17.30	3.71
1200	21.24	23.86	34.24	15.75	1.03	0.42	31.65	17.79	3.76
1300	21.23	23.80	36.06	15.45	1.03	0.41	31.77	17.77	3.74
1400	21.22	23.69	37.30	15.14	1.02	0.40	30.85	17.69	3.69
1500	21.20	23.62	38.49	14.95	1.02	0.39	32.00	17.69	3.66
1600	21.17	23.53	36.97	14.59	1.02	0.38	30.99	17.67	3.73
1700	21.15	23.44	38.13	14.42	1.01	0.37	31.09	17.64	3.63
1800	21.10	23.36	37.22	14.08	1.01	0.37	31.14	17.74	3.65
1900	21.06	23.23	37.05	13.80	1.00	0.35	30.22	17.43	3.68
2000	21.00	23.15	36.61	13.54	1.00	0.35	31.93	17.46	3.62
2100	20.95	23.08	34.47	13.17	1.00	0.35	30.07	17.38	3.63
2200	20.86	22.97	33.20	12.94	0.99	0.34	31.18	17.11	3.68
2300	20.78	22.91	30.82	12.49	0.99	0.34	30.11	17.23	3.68
2400	20.69	22.83	28.65	12.22	0.99	0.34	29.62	16.69	3.65
2500	20.59	22.76	26.87	11.83	0.98	0.34	29.97	16.76	3.68
2600	20.47	22.69	24.94	11.46	0.98	0.34	30.57	16.62	3.75
2700	20.35	22.63	23.52	11.14	0.97	0.35	28.98	16.58	3.86
2800	20.23	22.57	22.11	10.78	0.97	0.35	30.23	16.37	3.87
2900	20.09	22.53	20.97	10.54	0.97	0.36	29.37	16.21	3.84
3000	19.95	22.48	19.98	10.24	0.96	0.37	29.55	16.01	3.96
3100	19.80	22.44	18.99	10.07	0.96	0.38	29.27	15.99	3.82
3200	19.64	22.41	18.26	9.88	0.96	0.40	28.85	15.74	3.82
3300	19.48	22.37	17.50	9.73	0.96	0.41	29.23	15.78	3.85
3400	19.32	22.34	16.94	9.64	0.96	0.43	28.76	15.40	3.75
3500	19.15	22.32	16.36	9.54	0.96	0.45	28.38	15.31	3.86
3600	18.98	22.28	15.85	9.57	0.96	0.47	28.34	15.02	3.86
3800	18.63	22.25	15.00	9.61	0.96	0.51	27.68	14.54	3.93
4000	18.28	22.19	14.35	9.76	0.97	0.56	28.30	14.28	4.01
4200	17.93	22.14	13.86	10.01	0.98	0.60	27.81	14.00	4.03
4400	17.59	22.11	13.44	10.30	0.99	0.64	27.12	13.52	4.04
4600	17.25	22.05	13.07	10.62	1.00	0.68	26.99	13.37	4.10
4800	16.92	22.01	12.79	10.92	1.02	0.71	26.62	13.08	4.20
5000	16.59	21.96	12.53	11.17	1.03	0.74	26.74	13.02	4.27
5200	16.26	21.89	12.32	11.32	1.05	0.76	26.33	12.49	4.29
5400	15.93	21.84	12.14	11.40	1.06	0.78	26.85	12.47	4.35
5600	15.59	21.77	11.99	11.35	1.08	0.79	26.36	12.17	4.47
5800	15.25	21.74	11.80	11.21	1.10	0.81	26.02	11.73	4.44
6000	14.90	21.72	11.56	10.96	1.12	0.82	25.51	11.62	4.53

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 = 79mA @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	24.50	27.89	11.44	6.32	0.88	0.35	---	18.93	3.38
30	22.63	25.26	15.45	11.45	0.94	0.47	34.20	19.93	3.74
50	22.06	24.95	17.51	14.71	1.00	0.51	34.25	19.86	3.76
100	21.65	24.60	19.28	18.49	1.03	0.51	37.38	19.93	3.90
200	21.57	24.51	20.13	20.47	1.04	0.50	35.98	20.00	3.88
300	21.54	24.50	20.64	20.49	1.04	0.50	33.87	19.87	4.02
400	21.52	24.47	20.89	20.25	1.04	0.50	34.10	20.05	4.01
500	21.51	24.44	21.52	19.66	1.04	0.49	32.87	20.03	4.08
600	21.51	24.41	22.00	19.25	1.04	0.49	36.98	19.99	4.07
700	21.51	24.39	22.88	18.59	1.04	0.48	36.09	20.00	4.01
800	21.51	24.31	23.58	18.32	1.04	0.47	34.44	20.02	3.90
1000	21.51	24.17	25.81	17.35	1.03	0.44	39.15	20.11	3.88
1100	21.51	24.12	26.40	17.03	1.03	0.43	36.48	19.89	3.88
1200	21.51	24.03	28.41	16.53	1.03	0.42	33.89	20.09	3.88
1300	21.50	23.95	29.02	16.37	1.03	0.40	36.82	20.06	3.86
1400	21.49	23.86	31.29	15.85	1.02	0.39	35.43	19.95	3.82
1500	21.47	23.77	32.14	15.81	1.02	0.38	33.98	19.76	3.80
1600	21.45	23.67	34.26	15.25	1.02	0.37	33.65	19.68	3.85
1700	21.42	23.59	37.18	15.15	1.01	0.36	34.01	19.58	3.80
1800	21.37	23.52	39.34	14.73	1.01	0.35	32.74	19.45	3.78
1900	21.34	23.39	44.92	14.38	1.01	0.34	32.24	19.10	3.81
2000	21.27	23.31	43.47	14.17	1.00	0.34	32.19	18.92	3.78
2100	21.23	23.23	37.82	13.59	1.00	0.33	30.91	18.78	3.76
2200	21.14	23.15	34.50	13.47	1.00	0.33	30.84	18.47	3.83
2300	21.06	23.08	31.29	12.80	0.99	0.32	31.18	18.37	3.82
2400	20.96	22.98	28.59	12.67	0.99	0.32	29.98	17.96	3.78
2500	20.87	22.90	26.91	12.10	0.98	0.32	30.34	17.84	3.79
2600	20.75	22.85	24.81	11.78	0.98	0.32	30.53	17.68	3.88
2700	20.64	22.80	23.57	11.47	0.98	0.33	29.06	17.61	4.01
2800	20.51	22.74	22.03	11.05	0.98	0.33	30.65	17.39	4.02
2900	20.37	22.71	21.10	10.90	0.98	0.35	30.26	17.07	4.00
3000	20.23	22.64	19.91	10.48	0.97	0.35	29.83	16.85	4.10
3100	20.07	22.61	19.08	10.46	0.97	0.37	30.03	16.82	3.98
3200	19.93	22.55	18.21	10.16	0.97	0.38	28.71	16.57	3.98
3300	19.76	22.53	17.54	10.10	0.97	0.40	29.42	16.60	4.00
3400	19.61	22.49	16.93	9.98	0.97	0.41	29.67	16.22	3.93
3500	19.43	22.46	16.34	9.87	0.97	0.43	30.06	16.38	4.02
3600	19.27	22.44	15.87	9.98	0.97	0.46	29.28	16.24	4.04
3800	18.92	22.39	15.03	10.07	0.97	0.50	28.74	15.61	4.13
4000	18.57	22.35	14.37	10.20	0.98	0.55	28.39	15.36	4.12
4200	18.22	22.30	13.84	10.45	0.98	0.59	28.63	14.91	4.22
4400	17.88	22.21	13.38	10.75	0.99	0.63	27.85	14.60	4.23
4600	17.54	22.18	13.02	11.13	1.01	0.67	28.31	14.29	4.31
4800	17.20	22.15	12.76	11.51	1.02	0.70	27.48	14.01	4.38
5000	16.87	22.07	12.52	11.86	1.04	0.73	27.72	14.10	4.49
5200	16.54	22.03	12.31	12.08	1.05	0.75	26.98	13.43	4.51
5400	16.20	21.97	12.13	12.17	1.07	0.78	27.10	13.41	4.60
5600	15.87	21.90	11.95	12.09	1.09	0.79	26.99	13.11	4.72
5800	15.52	21.85	11.71	11.90	1.10	0.80	26.57	12.68	4.73
6000	15.17	21.85	11.43	11.60	1.12	0.82	26.54	12.57	4.84

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 = 5V, Id = 68mA @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	24.41	26.25	11.13	5.90	0.87	0.08	---	18.04	3.31
30	22.55	25.19	15.76	11.36	0.94	0.46	31.93	19.03	3.68
50	21.96	25.26	18.54	14.82	1.02	0.54	34.95	18.88	3.69
100	21.52	24.56	19.87	18.64	1.03	0.52	31.96	18.76	3.84
200	21.36	24.56	21.02	20.18	1.05	0.53	33.35	18.88	3.81
300	21.28	24.62	21.45	20.59	1.06	0.54	32.65	18.72	3.96
400	21.23	24.64	21.48	20.00	1.06	0.55	33.72	18.96	3.95
500	21.18	24.60	22.22	19.70	1.06	0.55	33.60	18.97	4.03
600	21.14	24.65	22.53	19.38	1.07	0.55	32.31	18.90	4.02
700	21.10	24.61	23.99	18.57	1.07	0.55	35.45	18.92	3.93
800	21.07	24.58	24.85	18.20	1.07	0.54	34.97	18.95	3.84
1000	21.01	24.53	27.85	17.38	1.07	0.54	33.76	19.10	3.83
1100	20.98	24.50	29.42	16.85	1.07	0.53	34.08	18.66	3.79
1200	20.95	24.43	31.66	16.46	1.07	0.53	32.21	18.93	3.81
1300	20.92	24.39	32.62	16.19	1.07	0.52	33.88	19.06	3.79
1400	20.88	24.32	34.44	15.93	1.06	0.52	34.06	18.98	3.78
1500	20.83	24.30	36.89	15.47	1.06	0.52	32.79	18.79	3.75
1600	20.79	24.18	35.46	15.26	1.06	0.51	31.42	18.74	3.82
1700	20.74	24.13	38.05	15.06	1.06	0.51	32.52	18.68	3.70
1800	20.67	24.05	40.61	14.75	1.05	0.51	33.44	18.58	3.75
1900	20.61	23.98	45.48	14.51	1.05	0.50	31.07	18.25	3.76
2000	20.53	23.90	51.82	14.18	1.05	0.50	32.82	18.25	3.68
2100	20.44	23.86	40.60	13.94	1.05	0.50	31.25	18.14	3.71
2200	20.35	23.80	35.22	13.57	1.05	0.51	30.51	17.85	3.75
2300	20.25	23.74	32.02	13.23	1.04	0.51	32.45	17.77	3.75
2400	20.14	23.69	28.86	12.86	1.04	0.51	31.05	17.38	3.71
2500	20.02	23.61	27.15	12.46	1.04	0.51	30.92	17.42	3.73
2600	19.90	23.58	25.26	12.11	1.04	0.52	30.57	17.27	3.81
2700	19.76	23.52	24.01	11.73	1.04	0.52	29.72	17.06	3.94
2800	19.62	23.48	22.77	11.46	1.04	0.53	30.27	17.00	3.95
2900	19.47	23.43	21.62	11.11	1.03	0.53	29.64	16.68	3.91
3000	19.31	23.41	20.80	10.89	1.04	0.54	29.59	16.47	4.05
3100	19.15	23.40	19.99	10.65	1.04	0.55	29.83	16.44	3.91
3200	18.98	23.36	19.34	10.51	1.04	0.56	29.02	16.19	3.91
3300	18.81	23.33	18.59	10.36	1.04	0.58	29.11	16.22	3.94
3400	18.63	23.32	18.24	10.26	1.05	0.59	29.12	15.85	3.86
3500	18.45	23.34	17.85	10.28	1.06	0.61	28.70	15.75	3.95
3600	18.27	23.29	17.37	10.28	1.06	0.62	28.82	15.46	3.95
3800	17.90	23.27	16.67	10.41	1.08	0.65	29.19	14.97	4.05
4000	17.55	23.24	16.06	10.67	1.10	0.68	27.96	14.72	4.09
4200	17.19	23.19	15.52	10.97	1.12	0.71	28.10	14.42	4.12
4400	16.84	23.13	15.06	11.30	1.15	0.74	27.94	13.95	4.14
4600	16.49	23.08	14.56	11.59	1.17	0.77	27.56	13.63	4.21
4800	16.16	23.07	14.18	11.88	1.19	0.80	27.40	13.34	4.33
5000	15.82	23.00	13.75	12.13	1.21	0.82	27.47	13.45	4.38
5200	15.48	22.97	13.49	12.31	1.24	0.84	27.14	12.92	4.42
5400	15.14	22.91	13.27	12.45	1.27	0.85	26.64	12.90	4.48
5600	14.80	22.87	13.05	12.43	1.30	0.86	27.16	12.43	4.61
5800	14.45	22.82	12.78	12.32	1.32	0.87	26.72	12.16	4.61
6000	14.09	22.81	12.59	12.08	1.36	0.88	26.13	12.05	4.70

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 = 59mA @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	24.22	29.47	10.55	6.17	0.88	0.55	---	17.05	3.23
30	22.41	25.08	15.73	11.14	0.94	0.46	32.15	17.98	3.60
50	21.83	24.19	18.29	14.17	0.98	0.43	31.64	17.44	3.62
100	21.40	24.45	20.76	17.95	1.03	0.51	31.28	17.29	3.76
200	21.25	24.41	22.35	19.27	1.05	0.52	33.00	17.44	3.75
300	21.18	24.48	22.55	19.77	1.06	0.54	33.07	17.29	3.88
400	21.14	24.45	22.85	19.10	1.05	0.53	32.37	17.59	3.87
500	21.09	24.46	24.40	18.72	1.06	0.53	32.05	17.62	3.95
600	21.06	24.43	24.38	18.53	1.06	0.53	31.29	17.52	3.94
700	21.03	24.45	25.67	17.82	1.06	0.53	33.00	17.55	3.87
800	21.01	24.40	27.22	17.43	1.06	0.53	31.33	17.59	3.76
1000	20.96	24.32	30.65	16.58	1.06	0.51	31.05	17.80	3.75
1100	20.93	24.28	32.88	16.17	1.06	0.51	31.71	17.30	3.71
1200	20.91	24.23	35.79	15.89	1.06	0.51	31.65	17.79	3.76
1300	20.88	24.15	37.46	15.55	1.05	0.50	31.77	17.77	3.74
1400	20.85	24.11	38.17	15.31	1.05	0.50	30.85	17.69	3.69
1500	20.81	24.04	37.91	15.04	1.05	0.49	32.00	17.69	3.66
1600	20.78	23.95	36.40	14.86	1.05	0.48	30.99	17.67	3.73
1700	20.73	23.89	37.76	14.67	1.04	0.48	31.09	17.64	3.63
1800	20.67	23.82	37.46	14.39	1.04	0.48	31.14	17.74	3.65
1900	20.61	23.72	39.57	14.24	1.04	0.48	30.22	17.43	3.68
2000	20.54	23.66	38.75	13.93	1.03	0.47	31.93	17.46	3.62
2100	20.46	23.58	39.30	13.71	1.03	0.47	30.07	17.38	3.63
2200	20.37	23.52	35.12	13.39	1.03	0.47	31.18	17.11	3.68
2300	20.27	23.46	32.28	13.04	1.03	0.48	30.11	17.23	3.68
2400	20.17	23.41	29.25	12.68	1.03	0.48	29.62	16.69	3.65
2500	20.05	23.34	27.77	12.28	1.02	0.48	29.97	16.76	3.68
2600	19.93	23.27	25.55	11.95	1.02	0.48	30.57	16.62	3.75
2700	19.80	23.22	24.13	11.56	1.02	0.49	28.98	16.58	3.86
2800	19.66	23.20	22.64	11.28	1.02	0.50	30.23	16.37	3.87
2900	19.52	23.15	21.46	10.92	1.01	0.50	29.37	16.21	3.84
3000	19.37	23.12	20.56	10.73	1.02	0.51	29.55	16.01	3.96
3100	19.21	23.07	19.53	10.50	1.01	0.52	29.27	15.99	3.82
3200	19.04	23.06	18.78	10.35	1.02	0.54	28.85	15.74	3.82
3300	18.87	23.05	17.98	10.23	1.02	0.55	29.23	15.78	3.85
3400	18.69	23.02	17.53	10.13	1.02	0.56	28.76	15.40	3.75
3500	18.51	23.00	16.97	10.13	1.03	0.58	28.38	15.31	3.86
3600	18.33	22.98	16.56	10.11	1.03	0.59	28.34	15.02	3.86
3800	17.96	22.96	15.83	10.20	1.05	0.63	27.68	14.54	3.93
4000	17.60	22.95	15.27	10.39	1.06	0.67	28.30	14.28	4.01
4200	17.24	22.92	14.84	10.67	1.08	0.70	27.81	14.00	4.03
4400	16.88	22.88	14.43	10.94	1.10	0.73	27.12	13.52	4.04
4600	16.53	22.85	14.12	11.22	1.13	0.76	26.99	13.37	4.10
4800	16.19	22.77	13.75	11.49	1.15	0.78	26.62	13.08	4.20
5000	15.85	22.75	13.49	11.72	1.17	0.81	26.74	13.02	4.27
5200	15.51	22.70	13.28	11.87	1.20	0.82	26.33	12.49	4.29
5400	15.17	22.65	13.13	12.00	1.23	0.84	26.85	12.47	4.35
5600	14.82	22.62	12.93	12.00	1.25	0.85	26.36	12.17	4.47
5800	14.47	22.58	12.69	11.92	1.28	0.86	26.02	11.73	4.44
6000	14.11	22.55	12.44	11.75	1.31	0.87	25.51	11.62	4.53

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 = 79mA @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	24.53	28.94	11.38	6.53	0.87	0.51	---	18.93	3.38
30	22.66	25.27	15.63	11.51	0.94	0.46	34.20	19.93	3.74
50	22.06	24.57	17.96	14.79	0.99	0.46	34.25	19.86	3.76
100	21.62	24.63	19.09	19.12	1.03	0.52	37.38	19.93	3.90
200	21.46	24.65	20.31	20.66	1.05	0.53	35.98	20.00	3.88
300	21.38	24.69	20.22	21.44	1.06	0.54	33.87	19.87	4.02
400	21.33	24.73	20.35	20.60	1.06	0.55	34.10	20.05	4.01
500	21.28	24.73	21.85	19.83	1.06	0.55	32.87	20.03	4.08
600	21.24	24.73	21.72	19.76	1.07	0.55	36.98	19.99	4.07
700	21.21	24.70	22.67	18.95	1.07	0.55	36.09	20.00	4.01
800	21.18	24.74	23.84	18.48	1.07	0.55	34.44	20.02	3.90
1000	21.12	24.60	26.29	17.57	1.07	0.53	39.15	20.11	3.88
1100	21.09	24.56	27.57	17.08	1.07	0.53	36.48	19.89	3.88
1200	21.07	24.50	29.60	16.77	1.06	0.52	33.89	20.09	3.88
1300	21.04	24.44	31.17	16.37	1.06	0.52	36.82	20.06	3.86
1400	21.01	24.40	31.95	16.10	1.06	0.51	35.43	19.95	3.82
1500	20.97	24.32	34.13	15.81	1.06	0.51	33.98	19.76	3.80
1600	20.93	24.23	34.18	15.59	1.06	0.50	33.65	19.68	3.85
1700	20.88	24.20	36.89	15.35	1.05	0.50	34.01	19.58	3.80
1800	20.82	24.13	38.40	14.99	1.05	0.50	32.74	19.45	3.78
1900	20.75	24.02	38.51	14.91	1.05	0.49	32.24	19.10	3.81
2000	20.68	23.94	41.90	14.51	1.05	0.49	32.19	18.92	3.78
2100	20.60	23.92	38.20	14.24	1.05	0.50	30.91	18.78	3.76
2200	20.51	23.83	35.10	13.87	1.04	0.49	30.84	18.47	3.83
2300	20.41	23.76	32.18	13.51	1.04	0.49	31.18	18.37	3.82
2400	20.31	23.71	28.78	13.16	1.04	0.50	29.98	17.96	3.78
2500	20.19	23.64	27.83	12.68	1.04	0.50	30.34	17.84	3.79
2600	20.06	23.59	25.58	12.40	1.04	0.50	30.53	17.68	3.88
2700	19.93	23.55	24.18	11.97	1.04	0.51	29.06	17.61	4.01
2800	19.79	23.50	22.87	11.74	1.04	0.51	30.65	17.39	4.02
2900	19.65	23.48	21.63	11.38	1.04	0.52	30.26	17.07	4.00
3000	19.49	23.44	20.80	11.16	1.04	0.53	29.83	16.85	4.10
3100	19.34	23.40	19.70	10.95	1.04	0.54	30.03	16.82	3.98
3200	19.17	23.39	18.97	10.78	1.04	0.55	28.71	16.57	3.98
3300	19.00	23.35	18.18	10.65	1.04	0.56	29.42	16.60	4.00
3400	18.83	23.35	17.72	10.52	1.05	0.58	29.67	16.22	3.93
3500	18.64	23.32	17.20	10.54	1.05	0.59	30.06	16.38	4.02
3600	18.47	23.29	16.73	10.50	1.06	0.61	29.28	16.24	4.04
3800	18.10	23.27	16.05	10.59	1.07	0.64	28.74	15.61	4.13
4000	17.74	23.24	15.55	10.85	1.09	0.68	28.39	15.36	4.12
4200	17.38	23.21	15.12	11.18	1.11	0.71	28.63	14.91	4.22
4400	17.02	23.16	14.80	11.53	1.14	0.74	27.85	14.60	4.23
4600	16.68	23.14	14.44	11.87	1.16	0.77	28.31	14.29	4.31
4800	16.34	23.09	14.06	12.18	1.18	0.79	27.48	14.01	4.38
5000	16.00	23.02	13.75	12.44	1.20	0.81	27.72	14.10	4.49
5200	15.66	22.98	13.49	12.64	1.23	0.83	26.98	13.43	4.51
5400	15.32	22.95	13.34	12.78	1.26	0.85	27.10	13.41	4.60
5600	14.97	22.90	13.11	12.80	1.29	0.86	26.99	13.11	4.72
5800	14.62	22.88	12.85	12.71	1.32	0.87	26.57	12.68	4.73
6000	14.26	22.86	12.59	12.51	1.35	0.88	26.54	12.57	4.84