

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 = 6.00V, Id = 80mA @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)
300	18.84	30.27	4.73	6.06	1.26	0.83	32.87	17.44	3.26
400	20.85	28.23	9.41	10.02	1.18	0.79	33.98	17.90	2.18
500	21.57	27.41	15.69	12.58	1.15	0.71	34.75	18.56	1.80
600	21.85	27.07	24.83	12.79	1.13	0.65	35.31	19.40	1.58
700	21.95	26.95	30.35	12.22	1.12	0.62	36.06	20.08	1.43
800	21.99	26.86	23.45	11.69	1.12	0.59	37.11	20.75	1.32
1000	22.00	26.82	18.84	11.02	1.11	0.57	37.90	21.30	1.18
1200	22.00	26.77	17.38	10.78	1.11	0.55	38.26	21.48	1.15
1400	21.97	26.73	16.70	10.71	1.11	0.55	37.91	21.43	1.14
1600	21.93	26.78	16.46	10.72	1.11	0.56	37.85	21.35	1.17
1800	21.92	26.81	16.07	10.76	1.11	0.56	37.47	21.40	1.18
2000	21.90	26.77	15.98	10.90	1.11	0.57	37.17	21.55	1.17
2200	21.88	26.72	15.77	11.05	1.11	0.57	36.56	21.52	1.16
2400	21.84	26.85	15.59	11.19	1.12	0.59	36.51	21.25	1.14
2600	21.79	26.86	15.52	11.44	1.12	0.60	36.66	21.06	1.12
2800	21.74	26.92	15.48	11.80	1.13	0.62	36.62	20.92	1.15
3000	21.70	26.95	15.27	12.41	1.13	0.64	36.06	20.77	1.19
3200	21.69	26.91	14.87	13.18	1.13	0.66	35.93	20.33	1.23
3400	21.68	26.93	14.54	14.31	1.13	0.69	34.66	19.94	1.25
3600	21.65	26.96	14.18	15.79	1.14	0.71	34.22	19.59	1.27
3800	21.62	26.92	13.82	17.97	1.14	0.73	33.30	19.36	1.30
4000	21.58	27.01	13.28	20.74	1.15	0.76	32.51	19.05	1.31
4200	21.53	27.09	12.69	25.27	1.15	0.78	31.84	18.82	1.30
4400	21.47	27.15	12.11	34.11	1.16	0.79	31.43	18.64	1.32
4600	21.42	27.21	11.59	36.85	1.16	0.80	31.17	18.71	1.36
4800	21.37	27.27	11.22	28.03	1.17	0.81	31.09	18.79	1.35
5000	21.32	27.37	10.95	24.34	1.18	0.82	31.16	19.20	1.34
5200	21.29	27.40	10.78	22.42	1.18	0.82	31.53	19.59	1.38
5400	21.26	27.45	10.76	21.31	1.19	0.82	31.61	19.99	1.39
5600	21.26	27.57	10.96	21.15	1.20	0.82	31.73	20.22	1.38
5800	21.25	27.56	11.12	21.18	1.20	0.82	31.79	20.35	1.39
6000	21.26	27.58	11.25	21.08	1.20	0.82	31.58	20.18	1.39
6200	21.23	27.62	11.39	21.38	1.21	0.83	31.58	20.07	1.38
6400	21.19	27.78	11.40	21.36	1.22	0.84	31.47	19.95	1.42
6600	21.03	27.91	11.43	19.94	1.25	0.85	31.23	19.88	1.42
6800	21.05	28.02	11.00	18.42	1.24	0.86	31.10	19.77	1.44
7000	20.99	28.08	10.57	17.54	1.23	0.87	30.95	19.68	1.48
7200	20.87	28.28	10.14	16.55	1.24	0.89	30.86	19.52	1.54
7400	20.76	28.36	9.75	15.31	1.24	0.91	30.86	19.30	1.59
7600	20.56	28.53	9.43	13.93	1.25	0.92	30.65	19.17	1.60
7800	20.35	28.83	9.33	12.59	1.28	0.93	30.38	18.84	1.60
8000	20.39	28.75	9.30	12.32	1.25	0.93	30.16	18.48	1.60
8200	20.34	28.73	9.13	12.09	1.24	0.94	30.03	18.34	1.62
8400	20.22	28.84	8.86	11.86	1.24	0.95	29.86	18.21	1.66
8600	20.06	28.84	8.54	11.76	1.23	0.97	29.65	18.08	1.71
8800	19.85	28.91	8.09	12.04	1.23	1.01	29.38	17.98	1.79
9000	19.54	28.94	7.46	12.24	1.22	1.05	29.13	17.73	1.89
9200	19.13	29.19	6.64	12.32	1.23	1.11	28.79	17.52	2.01
9400	18.61	29.46	5.79	12.43	1.24	1.18	28.58	17.32	2.16
9600	17.96	29.65	5.00	12.61	1.24	1.24	28.13	17.11	2.40
9800	17.20	30.14	4.30	12.49	1.28	1.31	27.76	16.69	2.66
10000	16.30	30.41	3.66	11.81	1.28	1.36	27.42	16.50	2.86



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 = 60mA @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)
300	18.01	29.63	4.52	6.33	1.28	0.86	28.14	14.92	3.28
400	19.99	27.54	8.73	10.49	1.20	0.82	28.96	15.36	2.19
500	20.74	26.65	14.00	13.71	1.16	0.74	29.68	16.10	1.81
600	21.06	26.33	20.63	14.42	1.14	0.68	30.31	17.05	1.60
700	21.18	26.20	29.96	13.88	1.13	0.65	30.71	17.90	1.45
800	21.23	26.07	29.19	13.22	1.12	0.62	31.13	18.75	1.35
1000	21.26	26.01	21.94	12.52	1.12	0.59	31.63	19.53	1.21
1200	21.26	25.96	19.73	12.20	1.11	0.58	31.56	19.87	1.19
1400	21.24	26.00	18.56	12.12	1.12	0.59	31.20	19.94	1.18
1600	21.20	26.06	17.93	12.10	1.12	0.60	30.89	19.93	1.20
1800	21.18	26.04	17.28	12.19	1.12	0.60	30.52	20.05	1.22
2000	21.16	26.03	16.85	12.36	1.12	0.60	30.48	20.21	1.20
2200	21.14	26.06	16.42	12.52	1.12	0.61	30.36	20.19	1.19
2400	21.10	26.08	16.04	12.67	1.12	0.62	30.60	20.01	1.18
2600	21.04	26.17	15.70	12.91	1.13	0.64	30.68	19.89	1.17
2800	20.99	26.25	15.38	13.37	1.14	0.66	30.61	19.68	1.19
3000	20.94	26.23	14.89	14.02	1.14	0.68	30.33	19.41	1.22
3200	20.93	26.28	14.27	14.99	1.14	0.71	29.75	19.06	1.26
3400	20.91	26.30	13.75	16.28	1.14	0.73	29.17	18.61	1.28
3600	20.88	26.34	13.23	18.10	1.14	0.75	28.70	18.08	1.29
3800	20.83	26.33	12.72	20.64	1.14	0.77	28.10	17.65	1.33
4000	20.80	26.47	12.18	23.98	1.15	0.80	27.77	17.21	1.35
4200	20.73	26.54	11.59	28.30	1.15	0.82	27.41	16.83	1.34
4400	20.69	26.60	11.07	29.02	1.16	0.83	27.15	16.49	1.36
4600	20.64	26.65	10.61	25.26	1.16	0.83	26.95	16.52	1.39
4800	20.59	26.77	10.29	22.52	1.17	0.84	26.85	16.58	1.39
5000	20.56	26.81	10.07	20.71	1.17	0.84	26.94	17.09	1.37
5200	20.54	26.90	9.95	19.64	1.18	0.84	27.14	17.79	1.40
5400	20.54	26.93	9.96	18.96	1.18	0.84	27.30	18.58	1.43
5600	20.54	27.02	10.14	18.92	1.19	0.84	27.53	19.01	1.40
5800	20.56	27.04	10.32	18.96	1.19	0.84	27.68	19.33	1.41
6000	20.56	27.11	10.45	18.96	1.20	0.85	27.76	19.32	1.42
6200	20.56	27.13	10.59	19.13	1.20	0.85	27.82	19.21	1.42
6400	20.52	27.31	10.60	19.23	1.22	0.86	27.79	19.10	1.45
6600	20.38	27.45	10.66	18.18	1.24	0.87	27.71	18.99	1.44
6800	20.40	27.49	10.30	16.79	1.22	0.88	27.59	19.00	1.46
7000	20.35	27.53	9.92	16.09	1.21	0.89	27.46	18.88	1.52
7200	20.24	27.69	9.54	15.30	1.22	0.91	27.54	18.82	1.59
7400	20.13	27.89	9.21	14.37	1.22	0.92	27.55	18.70	1.63
7600	19.95	28.06	8.93	13.22	1.24	0.93	27.61	18.55	1.62
7800	19.73	28.29	8.85	12.03	1.25	0.94	27.59	18.24	1.61
8000	19.78	28.33	8.86	11.75	1.24	0.94	27.41	17.85	1.63
8200	19.74	28.24	8.68	11.59	1.21	0.95	27.35	17.68	1.64
8400	19.64	28.33	8.47	11.43	1.21	0.96	27.18	17.59	1.68
8600	19.48	28.37	8.17	11.39	1.21	0.99	27.07	17.50	1.75
8800	19.29	28.33	7.79	11.68	1.20	1.02	26.90	17.32	1.81
9000	18.98	28.51	7.21	11.91	1.21	1.06	26.62	17.11	1.91
9200	18.58	28.70	6.45	12.02	1.21	1.12	26.40	16.84	2.05
9400	18.07	29.05	5.65	12.11	1.23	1.18	26.09	16.58	2.20
9600	17.43	29.27	4.91	12.29	1.24	1.25	25.69	16.28	2.44
9800	16.66	29.67	4.21	12.18	1.27	1.31	25.35	15.95	2.69
10000	15.77	30.23	3.60	11.54	1.31	1.37	25.08	15.71	2.90



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 = 6.25V, Id = 84mA @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)
300	19.01	30.39	4.75	6.01	1.25	0.82	33.39	17.71	3.25
400	21.01	28.35	9.49	9.94	1.18	0.78	34.29	18.21	2.17
500	21.73	27.54	15.89	12.45	1.15	0.71	35.19	18.98	1.78
600	22.00	27.27	25.40	12.63	1.13	0.65	35.69	19.80	1.56
700	22.10	27.03	29.47	12.08	1.12	0.61	36.10	20.43	1.40
800	22.15	27.02	22.97	11.54	1.11	0.59	36.41	21.01	1.30
1000	22.15	26.98	18.57	10.89	1.11	0.56	37.46	21.51	1.17
1200	22.15	26.97	17.15	10.63	1.11	0.56	37.37	21.68	1.12
1400	22.12	26.93	16.52	10.56	1.11	0.55	37.46	21.60	1.14
1600	22.08	26.94	16.29	10.59	1.11	0.56	37.20	21.52	1.20
1800	22.07	26.93	15.96	10.63	1.11	0.56	37.00	21.50	1.21
2000	22.05	26.93	15.88	10.78	1.11	0.57	37.00	21.55	1.16
2200	22.03	26.99	15.68	10.89	1.12	0.58	37.58	21.51	1.16
2400	21.99	26.99	15.53	11.05	1.12	0.59	37.41	21.35	1.15
2600	21.94	26.95	15.47	11.31	1.12	0.60	37.71	21.29	1.12
2800	21.88	27.08	15.46	11.66	1.13	0.62	37.58	21.15	1.14
3000	21.85	27.05	15.29	12.25	1.13	0.64	38.01	20.87	1.19
3200	21.83	27.02	14.94	13.04	1.13	0.66	37.71	20.53	1.22
3400	21.83	27.05	14.61	14.14	1.13	0.68	36.37	20.25	1.25
3600	21.79	27.07	14.27	15.61	1.14	0.71	35.23	19.98	1.26
3800	21.76	27.06	13.90	17.77	1.14	0.73	34.27	19.69	1.28
4000	21.72	27.11	13.40	20.50	1.14	0.75	33.52	19.45	1.30
4200	21.67	27.15	12.80	24.92	1.15	0.77	33.07	19.33	1.31
4400	21.61	27.25	12.20	33.35	1.16	0.79	32.65	19.11	1.31
4600	21.56	27.33	11.68	38.44	1.16	0.80	32.17	19.18	1.34
4800	21.50	27.39	11.28	28.37	1.17	0.81	31.90	19.29	1.35
5000	21.45	27.42	11.02	24.52	1.18	0.81	32.01	19.59	1.34
5200	21.42	27.49	10.84	22.53	1.18	0.81	32.34	19.89	1.36
5400	21.39	27.54	10.83	21.39	1.19	0.81	32.37	20.20	1.38
5600	21.38	27.57	11.01	21.20	1.19	0.81	32.61	20.38	1.36
5800	21.37	27.63	11.17	21.21	1.20	0.82	32.53	20.50	1.37
6000	21.37	27.64	11.29	21.13	1.20	0.82	32.62	20.30	1.37
6200	21.34	27.80	11.41	21.38	1.22	0.83	32.68	20.19	1.38
6400	21.29	27.89	11.43	21.45	1.23	0.84	32.31	20.08	1.41
6600	21.14	28.02	11.44	19.99	1.25	0.85	32.04	19.95	1.40
6800	21.16	28.13	11.04	18.46	1.24	0.86	31.66	19.84	1.42
7000	21.09	28.16	10.59	17.60	1.23	0.87	31.54	19.77	1.47
7200	20.97	28.35	10.15	16.59	1.24	0.89	31.63	19.60	1.54
7400	20.85	28.51	9.76	15.38	1.25	0.91	31.53	19.38	1.58
7600	20.65	28.67	9.44	13.90	1.26	0.92	31.20	19.24	1.58
7800	20.44	28.93	9.32	12.58	1.28	0.93	30.94	18.91	1.58
8000	20.48	28.83	9.30	12.34	1.25	0.93	30.50	18.57	1.60
8200	20.43	28.94	9.14	12.14	1.25	0.94	30.50	18.43	1.62
8400	20.30	28.94	8.87	11.87	1.24	0.95	30.40	18.29	1.64
8600	20.13	28.93	8.53	11.74	1.23	0.97	30.17	18.19	1.70
8800	19.92	28.96	8.07	12.03	1.23	1.01	29.95	18.09	1.77
9000	19.60	29.15	7.44	12.26	1.24	1.05	29.62	17.84	1.87
9200	19.19	29.17	6.63	12.32	1.22	1.11	29.51	17.65	2.00
9400	18.67	29.42	5.77	12.41	1.22	1.18	29.30	17.48	2.16
9600	18.01	29.77	5.00	12.59	1.25	1.24	28.99	17.20	2.39
9800	17.25	29.99	4.28	12.50	1.25	1.31	28.46	16.84	2.64
10000	16.35	30.50	3.65	11.83	1.28	1.36	28.24	16.58	2.83

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 = 6.00V, Id = 80mA @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)
300	18.97	30.40	4.41	5.83	1.23	0.82	32.87	17.44	3.26
400	21.00	28.13	8.80	10.03	1.16	0.78	33.98	17.90	2.18
500	21.76	27.36	14.53	13.23	1.13	0.71	34.75	18.56	1.80
600	22.06	26.98	22.22	13.74	1.12	0.65	35.31	19.40	1.58
700	22.16	26.86	33.98	13.16	1.11	0.61	36.06	20.08	1.43
800	22.20	26.80	26.73	12.55	1.11	0.59	37.11	20.75	1.32
1000	22.20	26.72	20.48	11.80	1.10	0.56	37.90	21.30	1.18
1200	22.17	26.72	18.69	11.57	1.10	0.56	38.26	21.48	1.15
1400	22.14	26.72	17.83	11.53	1.10	0.56	37.91	21.43	1.14
1600	22.07	26.77	17.38	11.53	1.11	0.57	37.85	21.35	1.17
1800	22.08	26.76	16.96	11.68	1.11	0.57	37.47	21.40	1.18
2000	22.03	26.77	16.70	11.85	1.11	0.58	37.17	21.55	1.17
2200	22.00	26.76	16.39	12.13	1.11	0.59	36.56	21.52	1.16
2400	21.95	26.83	16.11	12.37	1.12	0.61	36.51	21.25	1.14
2600	21.90	26.84	15.79	12.76	1.12	0.62	36.66	21.06	1.12
2800	21.86	26.95	15.50	13.24	1.13	0.65	36.62	20.92	1.15
3000	21.80	26.98	15.28	13.97	1.14	0.67	36.06	20.77	1.19
3200	21.74	26.99	14.93	14.87	1.14	0.69	35.93	20.33	1.23
3400	21.68	27.04	14.54	16.12	1.14	0.72	34.66	19.94	1.25
3600	21.61	27.11	14.00	17.84	1.15	0.75	34.22	19.59	1.27
3800	21.52	27.24	13.36	20.39	1.16	0.78	33.30	19.36	1.30
4000	21.45	27.28	12.66	23.66	1.17	0.80	32.51	19.05	1.31
4200	21.37	27.34	11.98	29.14	1.17	0.82	31.84	18.82	1.30
4400	21.31	27.33	11.39	34.30	1.17	0.83	31.43	18.64	1.32
4600	21.24	27.50	10.91	27.57	1.19	0.84	31.17	18.71	1.36
4800	21.19	27.53	10.61	23.72	1.19	0.84	31.09	18.79	1.35
5000	21.13	27.65	10.35	21.34	1.20	0.85	31.16	19.20	1.34
5200	21.08	27.74	10.14	19.72	1.21	0.85	31.53	19.59	1.38
5400	21.04	27.82	10.03	18.61	1.22	0.85	31.61	19.99	1.39
5600	21.02	27.82	10.09	18.13	1.22	0.85	31.73	20.22	1.38
5800	20.98	27.93	10.12	18.00	1.24	0.86	31.79	20.35	1.39
6000	20.94	28.05	10.09	17.51	1.25	0.86	31.58	20.18	1.39
6200	20.90	28.06	10.00	17.27	1.25	0.87	31.58	20.07	1.38
6400	20.84	28.21	9.90	17.04	1.26	0.88	31.47	19.95	1.42
6600	20.74	28.33	9.70	16.95	1.27	0.90	31.23	19.88	1.42
6800	20.61	28.48	9.30	16.46	1.28	0.92	31.10	19.77	1.44
7000	20.54	28.55	8.97	15.42	1.28	0.93	30.95	19.68	1.48
7200	20.42	28.71	8.69	14.67	1.29	0.94	30.86	19.52	1.54
7400	20.29	28.84	8.38	14.17	1.30	0.95	30.86	19.30	1.59
7600	20.15	28.98	8.12	13.48	1.31	0.96	30.65	19.17	1.60
7800	19.97	29.07	7.97	12.72	1.32	0.97	30.38	18.84	1.60
8000	19.80	29.19	8.10	12.16	1.33	0.97	30.16	18.48	1.60
8200	19.81	29.19	8.13	12.18	1.32	0.98	30.03	18.34	1.62
8400	19.77	29.13	8.06	12.44	1.31	1.00	29.86	18.21	1.66
8600	19.65	28.93	7.93	12.67	1.28	1.01	29.65	18.08	1.71
8800	19.46	29.07	7.71	13.13	1.30	1.04	29.38	17.98	1.79
9000	19.17	29.07	7.33	13.42	1.30	1.08	29.13	17.73	1.89
9200	18.76	29.18	6.72	13.49	1.31	1.12	28.79	17.52	2.01
9400	18.24	29.32	6.03	13.27	1.31	1.17	28.58	17.32	2.16
9600	17.57	29.52	5.37	12.87	1.34	1.22	28.13	17.11	2.40
9800	16.76	29.95	4.73	12.17	1.39	1.27	27.76	16.69	2.66
10000	15.85	30.37	4.14	11.21	1.44	1.31	27.42	16.50	2.86

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 = 60mA @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)
300	18.01	29.43	4.27	6.10	1.23	0.85	28.14	14.92	3.28
400	20.04	27.39	8.27	10.42	1.17	0.81	28.96	15.36	2.19
500	20.82	26.53	13.25	14.21	1.14	0.74	29.68	16.10	1.81
600	21.15	26.09	19.22	15.33	1.12	0.67	30.31	17.05	1.60
700	21.27	25.95	27.23	14.79	1.12	0.63	30.71	17.90	1.45
800	21.32	25.94	32.13	14.09	1.11	0.61	31.13	18.75	1.35
1000	21.34	25.83	23.45	13.24	1.11	0.58	31.63	19.53	1.21
1200	21.32	25.80	20.79	12.94	1.11	0.58	31.56	19.87	1.19
1400	21.29	25.88	19.39	12.89	1.11	0.59	31.20	19.94	1.18
1600	21.22	25.95	18.52	12.87	1.12	0.60	30.89	19.93	1.20
1800	21.23	25.90	17.77	13.10	1.11	0.60	30.52	20.05	1.22
2000	21.19	25.94	17.26	13.27	1.12	0.61	30.48	20.21	1.20
2200	21.16	26.02	16.70	13.58	1.12	0.63	30.36	20.19	1.19
2400	21.10	26.02	16.20	13.84	1.12	0.64	30.60	20.01	1.18
2600	21.06	26.08	15.73	14.27	1.13	0.66	30.68	19.89	1.17
2800	21.02	26.10	15.26	14.82	1.13	0.67	30.61	19.68	1.19
3000	20.96	26.20	14.86	15.66	1.14	0.70	30.33	19.41	1.22
3200	20.91	26.20	14.37	16.63	1.14	0.72	29.75	19.06	1.26
3400	20.84	26.32	13.83	18.05	1.15	0.75	29.17	18.61	1.28
3600	20.76	26.49	13.18	19.92	1.16	0.78	28.70	18.08	1.29
3800	20.68	26.55	12.52	22.66	1.16	0.80	28.10	17.65	1.33
4000	20.61	26.59	11.84	25.52	1.17	0.82	27.77	17.21	1.35
4200	20.53	26.69	11.17	27.59	1.17	0.84	27.41	16.83	1.34
4400	20.48	26.85	10.67	25.77	1.18	0.86	27.15	16.49	1.36
4600	20.42	26.82	10.19	22.62	1.18	0.86	26.95	16.52	1.39
4800	20.39	26.92	9.93	20.48	1.19	0.86	26.85	16.58	1.39
5000	20.34	26.99	9.70	19.02	1.19	0.87	26.94	17.09	1.37
5200	20.31	27.10	9.52	17.88	1.20	0.87	27.14	17.79	1.40
5400	20.28	27.14	9.43	17.14	1.21	0.87	27.30	18.58	1.43
5600	20.28	27.26	9.50	16.85	1.22	0.87	27.53	19.01	1.40
5800	20.27	27.34	9.54	16.75	1.22	0.87	27.68	19.33	1.41
6000	20.24	27.37	9.53	16.43	1.23	0.88	27.76	19.32	1.42
6200	20.22	27.51	9.46	16.28	1.24	0.89	27.82	19.21	1.42
6400	20.17	27.59	9.37	16.18	1.24	0.89	27.79	19.10	1.45
6600	20.10	27.71	9.23	16.07	1.25	0.91	27.71	18.99	1.44
6800	19.98	27.87	8.85	15.72	1.26	0.93	27.59	19.00	1.46
7000	19.93	28.02	8.57	14.81	1.26	0.94	27.46	18.88	1.52
7200	19.81	28.12	8.30	14.20	1.27	0.95	27.54	18.82	1.59
7400	19.70	28.24	8.02	13.77	1.27	0.96	27.55	18.70	1.63
7600	19.58	28.40	7.79	13.18	1.28	0.97	27.61	18.55	1.62
7800	19.41	28.46	7.66	12.49	1.29	0.98	27.59	18.24	1.61
8000	19.25	28.67	7.79	11.95	1.31	0.98	27.41	17.85	1.63
8200	19.27	28.61	7.83	11.94	1.29	0.99	27.35	17.68	1.64
8400	19.25	28.56	7.77	12.20	1.28	1.00	27.18	17.59	1.68
8600	19.15	28.61	7.66	12.46	1.28	1.02	27.07	17.50	1.75
8800	18.98	28.57	7.49	12.90	1.28	1.05	26.90	17.32	1.81
9000	18.70	28.63	7.15	13.17	1.29	1.08	26.62	17.11	1.91
9200	18.31	28.73	6.60	13.22	1.29	1.13	26.40	16.84	2.05
9400	17.78	28.94	5.95	13.05	1.31	1.18	26.09	16.58	2.20
9600	17.13	29.22	5.32	12.64	1.34	1.22	25.69	16.28	2.44
9800	16.32	29.71	4.69	11.98	1.41	1.27	25.35	15.95	2.69
10000	15.41	30.29	4.11	11.04	1.48	1.31	25.08	15.71	2.90

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 = 6.25V, Id = 84mA @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)
300	19.15	30.57	4.44	5.79	1.23	0.81	33.39	17.71	3.25
400	21.19	28.35	8.91	9.97	1.16	0.78	34.29	18.21	2.17
500	21.94	27.49	14.79	13.00	1.13	0.71	35.19	18.98	1.78
600	22.22	27.20	22.92	13.46	1.12	0.65	35.69	19.80	1.56
700	22.32	27.02	33.98	12.88	1.11	0.61	36.10	20.43	1.40
800	22.36	26.91	25.62	12.27	1.10	0.58	36.41	21.01	1.30
1000	22.36	26.89	19.95	11.56	1.10	0.56	37.46	21.51	1.17
1200	22.34	26.87	18.29	11.33	1.10	0.55	37.37	21.68	1.12
1400	22.29	26.92	17.55	11.29	1.10	0.56	37.46	21.60	1.14
1600	22.23	26.90	17.14	11.29	1.10	0.56	37.20	21.52	1.20
1800	22.24	26.89	16.76	11.44	1.10	0.56	37.00	21.50	1.21
2000	22.19	26.96	16.51	11.62	1.11	0.58	37.00	21.55	1.16
2200	22.16	26.94	16.27	11.88	1.11	0.59	37.58	21.51	1.16
2400	22.11	26.98	16.00	12.11	1.12	0.60	37.41	21.35	1.15
2600	22.06	26.99	15.75	12.46	1.12	0.62	37.71	21.29	1.12
2800	22.01	27.05	15.49	12.98	1.13	0.64	37.58	21.15	1.14
3000	21.96	27.07	15.28	13.68	1.13	0.66	38.01	20.87	1.19
3200	21.90	27.12	15.02	14.55	1.14	0.68	37.71	20.53	1.22
3400	21.84	27.17	14.65	15.78	1.14	0.71	36.37	20.25	1.25
3600	21.76	27.26	14.15	17.48	1.15	0.74	35.23	19.98	1.26
3800	21.68	27.36	13.52	19.95	1.16	0.77	34.27	19.69	1.28
4000	21.60	27.37	12.83	23.07	1.17	0.79	33.52	19.45	1.30
4200	21.53	27.50	12.17	28.52	1.18	0.81	33.07	19.33	1.31
4400	21.46	27.51	11.57	37.08	1.18	0.82	32.65	19.11	1.31
4600	21.39	27.58	11.07	28.98	1.19	0.83	32.17	19.18	1.34
4800	21.34	27.59	10.75	24.46	1.19	0.84	31.90	19.29	1.35
5000	21.27	27.72	10.50	21.85	1.20	0.84	32.01	19.59	1.34
5200	21.23	27.89	10.27	20.12	1.22	0.85	32.34	19.89	1.36
5400	21.18	27.93	10.15	18.86	1.22	0.85	32.37	20.20	1.38
5600	21.16	27.99	10.21	18.41	1.23	0.85	32.61	20.38	1.36
5800	21.11	28.07	10.25	18.22	1.24	0.86	32.53	20.50	1.37
6000	21.07	28.05	10.21	17.77	1.24	0.86	32.62	20.30	1.37
6200	21.02	28.20	10.10	17.49	1.25	0.87	32.68	20.19	1.38
6400	20.97	28.29	10.02	17.23	1.26	0.88	32.31	20.08	1.41
6600	20.87	28.48	9.81	17.10	1.28	0.90	32.04	19.95	1.40
6800	20.74	28.61	9.40	16.59	1.29	0.92	31.66	19.84	1.42
7000	20.67	28.64	9.07	15.55	1.28	0.92	31.54	19.77	1.47
7200	20.54	28.81	8.79	14.81	1.29	0.94	31.63	19.60	1.54
7400	20.40	28.95	8.46	14.26	1.30	0.95	31.53	19.38	1.58
7600	20.27	29.05	8.21	13.53	1.31	0.96	31.20	19.24	1.58
7800	20.08	29.17	8.03	12.78	1.32	0.97	30.94	18.91	1.58
8000	19.91	29.29	8.15	12.20	1.33	0.97	30.50	18.57	1.60
8200	19.91	29.27	8.20	12.23	1.32	0.98	30.50	18.43	1.62
8400	19.88	29.19	8.13	12.49	1.31	0.99	30.40	18.29	1.64
8600	19.75	29.06	7.99	12.72	1.29	1.01	30.17	18.19	1.70
8800	19.56	29.13	7.76	13.20	1.30	1.04	29.95	18.09	1.77
9000	19.27	29.13	7.35	13.50	1.30	1.08	29.62	17.84	1.87
9200	18.86	29.21	6.74	13.53	1.30	1.12	29.51	17.65	2.00
9400	18.34	29.37	6.05	13.33	1.31	1.17	29.30	17.48	2.16
9600	17.67	29.59	5.38	12.92	1.33	1.22	28.99	17.20	2.39
9800	16.87	29.97	4.73	12.23	1.38	1.27	28.46	16.84	2.64
10000	15.95	30.41	4.15	11.26	1.43	1.31	28.24	16.58	2.83