

## 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 = 82mA @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	16.91	22.51	20.84	11.63	1.12	0.69	---	19.21	4.60
30	16.83	22.66	18.10	12.36	1.13	0.73	34.04	19.53	4.60
50	16.47	22.20	16.81	13.12	1.13	0.74	32.18	19.25	4.70
100	16.14	21.87	15.21	15.41	1.14	0.76	35.29	19.87	4.92
200	15.83	21.66	15.15	16.85	1.16	0.77	33.38	19.76	4.89
300	15.70	21.63	14.58	18.42	1.17	0.79	33.75	19.88	5.02
400	15.62	21.68	14.41	17.80	1.18	0.79	33.82	19.80	5.15
500	15.61	21.66	15.01	16.95	1.18	0.79	36.20	19.90	5.12
700	15.54	21.73	15.26	17.47	1.20	0.79	36.47	19.84	5.07
800	15.54	21.75	15.63	16.97	1.20	0.79	37.42	19.79	5.01
1000	15.52	21.78	15.64	17.00	1.20	0.79	37.43	19.89	5.03
1200	15.54	21.81	16.05	16.48	1.20	0.78	34.95	19.59	4.96
1300	15.55	21.83	16.13	16.12	1.20	0.78	34.74	19.71	4.97
1400	15.57	21.84	16.30	16.02	1.20	0.78	33.81	19.85	4.97
1500	15.57	21.85	16.43	16.52	1.21	0.78	36.44	19.71	4.96
1600	15.61	21.84	16.26	15.89	1.20	0.78	35.21	19.63	4.95
1700	15.64	21.82	16.59	16.11	1.20	0.77	34.13	19.63	4.96
1800	15.66	21.85	16.31	16.12	1.20	0.77	34.19	19.64	5.01
1900	15.70	21.84	16.15	16.17	1.20	0.77	33.61	19.43	4.95
2000	15.72	21.83	16.77	16.02	1.20	0.76	32.79	19.40	4.92
2100	15.76	21.86	16.34	16.05	1.20	0.76	32.79	19.44	5.01
2200	15.79	21.84	16.23	15.95	1.19	0.76	32.30	19.33	4.97
2300	15.82	21.84	16.34	15.81	1.19	0.76	31.88	19.16	5.00
2400	15.86	21.82	16.29	15.61	1.19	0.75	31.74	19.03	5.00
2500	15.90	21.79	16.28	14.91	1.17	0.74	32.74	18.93	4.93
2600	15.93	21.83	16.44	14.91	1.18	0.74	31.05	18.84	5.08
2700	15.97	21.79	16.19	14.39	1.17	0.73	30.54	18.76	5.16
2800	16.00	21.79	16.07	13.99	1.16	0.73	30.63	18.41	5.23
2900	16.04	21.73	16.17	13.46	1.15	0.71	30.40	18.39	5.26
3000	16.06	21.70	15.77	13.21	1.14	0.71	30.65	17.92	5.20
3100	16.08	21.66	15.88	12.86	1.14	0.70	30.15	17.82	5.15
3200	16.10	21.66	16.02	12.44	1.13	0.69	29.97	17.59	5.17
3300	16.12	21.67	15.77	12.20	1.13	0.69	29.80	17.31	5.18
3400	16.12	21.65	15.92	11.78	1.12	0.68	29.71	17.07	5.22
3500	16.12	21.59	16.18	11.64	1.12	0.67	29.29	17.05	5.19
3600	16.13	21.60	16.12	11.24	1.11	0.67	29.56	16.75	5.17
3800	16.11	21.53	16.69	10.80	1.10	0.65	28.85	16.32	5.27
4000	16.07	21.44	17.09	10.40	1.09	0.64	28.16	15.81	5.29
4200	16.02	21.32	17.48	9.99	1.08	0.62	27.31	15.62	5.23
4400	15.94	21.23	17.95	9.67	1.08	0.61	26.86	14.85	5.36
4600	15.84	21.09	17.72	9.28	1.06	0.60	26.90	14.43	5.23
4800	15.69	20.98	17.57	9.08	1.06	0.60	25.94	14.22	5.31
5000	15.51	20.85	17.21	8.72	1.06	0.59	26.00	13.59	5.40
5200	15.29	20.75	16.41	8.47	1.05	0.59	25.41	13.42	5.34
5400	15.03	20.61	15.55	8.20	1.05	0.59	25.24	13.01	5.46
5600	14.71	20.56	14.59	7.84	1.06	0.59	25.15	12.72	5.69
5800	14.35	20.48	13.67	7.43	1.06	0.59	24.41	12.65	5.57
6000	13.96	20.44	12.62	7.06	1.07	0.60	24.21	11.96	5.64

## 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 = 74mA @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	16.87	22.43	21.58	11.53	1.12	0.68	---	18.33	4.53
30	16.79	22.65	18.41	12.28	1.14	0.72	33.46	18.78	4.52
50	16.44	22.21	17.06	12.85	1.13	0.73	33.42	18.37	4.61
100	16.10	21.81	15.35	15.33	1.14	0.76	34.05	19.08	4.83
200	15.79	21.60	15.33	16.70	1.16	0.77	34.97	18.97	4.83
300	15.65	21.59	14.72	18.23	1.18	0.78	33.04	19.09	4.93
400	15.55	21.66	14.62	17.56	1.18	0.79	38.12	19.00	5.07
500	15.52	21.65	15.25	16.81	1.18	0.79	36.65	19.09	5.04
700	15.41	21.77	15.63	17.10	1.21	0.80	36.23	19.04	4.96
800	15.39	21.81	15.96	16.85	1.22	0.80	35.57	19.01	4.93
1000	15.34	21.89	16.00	16.85	1.23	0.80	37.66	19.05	4.94
1200	15.32	21.96	16.54	16.47	1.24	0.80	35.65	18.81	4.91
1300	15.31	21.99	16.56	16.22	1.24	0.80	36.92	18.89	4.88
1400	15.32	21.98	16.78	16.14	1.24	0.80	35.63	18.87	4.87
1500	15.31	22.01	16.89	16.59	1.25	0.80	34.59	18.88	4.87
1600	15.33	22.02	16.67	16.05	1.24	0.80	35.35	18.86	4.82
1700	15.34	22.06	17.13	16.40	1.25	0.80	34.88	18.85	4.89
1800	15.35	22.06	16.72	16.44	1.25	0.80	33.19	18.89	4.93
1900	15.38	22.09	16.55	16.43	1.25	0.80	34.11	18.67	4.88
2000	15.39	22.10	17.21	16.23	1.26	0.79	34.63	18.68	4.82
2100	15.41	22.10	16.62	16.44	1.25	0.79	32.08	18.73	4.91
2200	15.43	22.11	16.64	16.24	1.25	0.79	33.46	18.61	4.89
2300	15.45	22.12	16.78	16.13	1.25	0.79	32.24	18.64	4.89
2400	15.47	22.10	16.75	15.84	1.25	0.78	32.44	18.41	4.90
2500	15.51	22.10	16.80	15.16	1.24	0.78	31.17	18.45	4.85
2600	15.51	22.11	17.06	15.22	1.24	0.78	31.60	18.38	4.99
2700	15.55	22.07	16.83	14.50	1.23	0.77	30.88	18.15	5.10
2800	15.58	22.05	16.67	14.19	1.22	0.76	31.19	17.81	5.12
2900	15.61	22.04	16.81	13.63	1.22	0.75	30.20	17.78	5.17
3000	15.63	22.05	16.27	13.47	1.21	0.75	29.72	17.50	5.09
3100	15.64	22.01	16.37	13.11	1.20	0.75	30.05	17.40	5.05
3200	15.66	22.00	16.57	12.70	1.20	0.74	29.88	17.18	5.05
3300	15.67	21.96	16.23	12.51	1.19	0.73	29.56	16.91	5.10
3400	15.67	21.95	16.30	12.04	1.18	0.73	28.69	16.66	5.10
3500	15.66	21.94	16.69	11.99	1.18	0.72	29.44	16.64	5.11
3600	15.66	21.87	16.55	11.57	1.17	0.71	28.09	16.35	5.07
3800	15.64	21.83	17.21	11.19	1.17	0.70	28.60	15.91	5.14
4000	15.59	21.73	17.62	10.87	1.16	0.69	27.82	15.40	5.17
4200	15.55	21.64	18.13	10.40	1.15	0.68	27.03	15.21	5.13
4400	15.47	21.50	18.58	10.09	1.14	0.67	27.06	14.44	5.27
4600	15.36	21.36	18.25	9.69	1.12	0.66	26.49	14.01	5.12
4800	15.21	21.23	18.11	9.50	1.12	0.65	26.10	13.79	5.20
5000	15.04	21.10	17.69	9.06	1.11	0.64	25.65	13.17	5.32
5200	14.81	20.97	16.79	8.83	1.11	0.64	25.33	12.99	5.22
5400	14.56	20.82	15.91	8.55	1.11	0.64	24.79	12.59	5.39
5600	14.23	20.73	14.97	8.15	1.12	0.64	24.79	12.29	5.57
5800	13.88	20.70	14.03	7.80	1.13	0.64	23.88	12.22	5.47
6000	13.49	20.65	12.92	7.44	1.13	0.65	24.17	11.76	5.52

## 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 = 91mA @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	16.94	22.93	20.55	11.38	1.14	0.71	---	19.92	4.68
30	16.86	22.68	17.86	12.44	1.13	0.73	29.88	20.14	4.67
50	16.53	22.34	16.79	13.31	1.14	0.74	35.56	19.87	4.79
100	16.17	21.89	15.12	15.45	1.14	0.76	35.63	20.51	4.99
200	15.88	21.67	15.02	16.85	1.16	0.77	34.23	20.51	4.98
300	15.76	21.65	14.48	18.26	1.17	0.78	37.74	20.64	5.11
400	15.72	21.64	14.23	17.89	1.17	0.79	39.22	20.56	5.21
500	15.72	21.65	14.84	16.98	1.17	0.78	38.72	20.68	5.20
700	15.69	21.68	14.94	17.74	1.18	0.78	35.65	20.60	5.14
800	15.69	21.68	15.40	17.06	1.18	0.78	37.42	20.54	5.10
1000	15.70	21.66	15.35	17.09	1.18	0.78	35.06	20.66	5.10
1200	15.74	21.70	15.68	16.47	1.18	0.77	35.08	20.25	5.01
1300	15.77	21.70	15.78	16.06	1.17	0.77	35.62	20.38	5.06
1400	15.80	21.65	15.95	15.91	1.16	0.76	36.30	20.38	5.09
1500	15.81	21.69	16.09	16.43	1.17	0.76	33.43	20.38	5.04
1600	15.86	21.67	15.93	15.81	1.16	0.76	35.31	20.12	5.03
1700	15.89	21.66	16.19	15.84	1.16	0.75	34.93	20.13	5.04
1800	15.93	21.65	16.00	15.83	1.16	0.75	35.33	20.11	5.10
1900	15.98	21.62	15.86	15.91	1.15	0.75	35.18	20.03	5.11
2000	16.01	21.63	16.39	15.78	1.16	0.74	34.16	19.84	5.00
2100	16.05	21.63	16.11	15.69	1.15	0.73	33.39	19.88	5.08
2200	16.09	21.60	15.93	15.68	1.15	0.73	30.39	19.79	5.06
2300	16.13	21.62	15.98	15.53	1.15	0.73	32.46	19.58	5.05
2400	16.17	21.59	15.96	15.38	1.14	0.72	32.42	19.42	5.08
2500	16.22	21.55	15.91	14.74	1.13	0.71	31.13	19.33	5.04
2600	16.25	21.54	16.00	14.64	1.13	0.70	32.80	19.25	5.17
2700	16.29	21.53	15.73	14.28	1.12	0.70	30.66	18.99	5.29
2800	16.33	21.50	15.63	13.82	1.11	0.69	30.70	18.63	5.36
2900	16.37	21.49	15.71	13.34	1.11	0.68	29.82	18.61	5.34
3000	16.40	21.44	15.38	13.02	1.10	0.67	30.16	18.31	5.28
3100	16.43	21.43	15.51	12.65	1.09	0.66	30.60	18.22	5.25
3200	16.45	21.44	15.63	12.24	1.09	0.65	29.46	17.99	5.26
3300	16.48	21.38	15.42	11.94	1.08	0.64	29.43	17.71	5.27
3400	16.48	21.37	15.64	11.57	1.07	0.64	29.00	17.48	5.29
3500	16.49	21.34	15.82	11.34	1.07	0.63	28.78	17.26	5.29
3600	16.50	21.31	15.78	11.00	1.06	0.62	28.61	17.17	5.29
3800	16.49	21.24	16.29	10.48	1.05	0.60	27.66	16.73	5.36
4000	16.46	21.17	16.63	10.04	1.04	0.59	27.42	16.23	5.39
4200	16.41	21.08	17.03	9.63	1.04	0.57	27.30	15.84	5.35
4400	16.33	20.98	17.46	9.31	1.03	0.56	27.10	15.28	5.48
4600	16.24	20.87	17.31	8.94	1.02	0.55	26.59	14.85	5.34
4800	16.09	20.75	17.17	8.73	1.02	0.54	25.88	14.64	5.42
5000	15.92	20.63	16.82	8.43	1.01	0.54	25.57	14.02	5.56
5200	15.70	20.50	16.12	8.16	1.01	0.53	25.51	13.63	5.47
5400	15.44	20.40	15.25	7.88	1.01	0.53	24.98	13.22	5.61
5600	15.12	20.32	14.28	7.52	1.01	0.53	24.65	12.92	5.83
5800	14.77	20.28	13.39	7.08	1.01	0.54	24.38	12.86	5.72
6000	14.38	20.27	12.38	6.69	1.01	0.54	24.15	12.40	5.78

## 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 = 82mA @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	17.01	22.69	20.75	11.48	1.12	0.69	---	19.21	4.60
30	16.89	22.58	17.98	12.33	1.12	0.72	34.04	19.53	4.60
50	16.55	22.00	16.90	13.57	1.11	0.72	32.18	19.25	4.70
100	16.17	21.82	15.19	15.34	1.13	0.76	35.29	19.87	4.92
200	15.84	21.64	14.80	16.98	1.16	0.77	33.38	19.76	4.89
300	15.69	21.65	14.36	18.11	1.17	0.79	33.75	19.88	5.02
400	15.64	21.66	14.57	17.66	1.18	0.79	33.82	19.80	5.15
500	15.59	21.66	15.21	17.13	1.18	0.79	36.20	19.90	5.12
700	15.53	21.75	15.29	17.41	1.20	0.79	36.47	19.84	5.07
800	15.51	21.76	15.40	17.25	1.20	0.79	37.42	19.79	5.01
1000	15.50	21.79	15.85	16.96	1.21	0.79	37.43	19.89	5.03
1200	15.50	21.85	16.26	16.53	1.21	0.79	34.95	19.59	4.96
1300	15.51	21.86	16.22	16.26	1.21	0.79	34.74	19.71	4.97
1400	15.53	21.87	16.32	16.18	1.21	0.78	33.81	19.85	4.97
1500	15.53	21.89	16.65	16.37	1.22	0.78	36.44	19.71	4.96
1600	15.56	21.89	16.50	16.14	1.21	0.78	35.21	19.63	4.95
1700	15.58	21.91	16.57	15.98	1.21	0.78	34.13	19.63	4.96
1800	15.61	21.88	16.45	15.96	1.21	0.78	34.19	19.64	5.01
1900	15.64	21.90	16.53	16.05	1.21	0.78	33.61	19.43	4.95
2000	15.66	21.93	16.86	15.84	1.21	0.77	32.79	19.40	4.92
2100	15.67	21.90	16.54	15.82	1.21	0.77	32.79	19.44	5.01
2200	15.70	21.90	16.62	15.78	1.21	0.77	32.30	19.33	4.97
2300	15.72	21.88	16.38	15.73	1.20	0.76	31.88	19.16	5.00
2400	15.76	21.92	16.45	15.36	1.20	0.76	31.74	19.03	5.00
2500	15.78	21.89	16.63	14.99	1.20	0.75	32.74	18.93	4.93
2600	15.81	21.88	16.37	14.87	1.19	0.75	31.05	18.84	5.08
2700	15.83	21.88	16.40	14.46	1.19	0.74	30.54	18.76	5.16
2800	15.86	21.85	16.29	14.22	1.18	0.74	30.63	18.41	5.23
2900	15.89	21.86	16.16	13.63	1.17	0.73	30.40	18.39	5.26
3000	15.90	21.85	16.07	13.42	1.17	0.73	30.65	17.92	5.20
3100	15.92	21.81	16.09	13.00	1.16	0.72	30.15	17.82	5.15
3200	15.93	21.83	16.22	12.60	1.16	0.72	29.97	17.59	5.17
3300	15.93	21.81	16.21	12.31	1.15	0.71	29.80	17.31	5.18
3400	15.93	21.79	16.34	11.96	1.15	0.70	29.71	17.07	5.22
3500	15.92	21.77	16.46	11.75	1.15	0.70	29.29	17.05	5.19
3600	15.91	21.77	16.55	11.34	1.14	0.69	29.56	16.75	5.17
3800	15.88	21.71	17.00	10.80	1.13	0.68	28.85	16.32	5.27
4000	15.81	21.65	17.61	10.47	1.13	0.67	28.16	15.81	5.29
4200	15.74	21.57	17.92	10.10	1.12	0.66	27.31	15.62	5.23
4400	15.64	21.50	18.11	9.79	1.12	0.65	26.86	14.85	5.36
4600	15.51	21.40	18.13	9.49	1.11	0.65	26.90	14.43	5.23
4800	15.33	21.29	17.86	9.30	1.11	0.65	25.94	14.22	5.31
5000	15.13	21.19	17.53	9.09	1.11	0.65	26.00	13.59	5.40
5200	14.89	21.09	16.96	8.87	1.12	0.65	25.41	13.42	5.34
5400	14.60	21.03	16.11	8.58	1.13	0.65	25.24	13.01	5.46
5600	14.26	20.96	15.02	8.22	1.13	0.65	25.15	12.72	5.69
5800	13.88	20.93	14.16	7.83	1.15	0.65	24.41	12.65	5.57
6000	13.46	20.92	13.32	7.47	1.16	0.66	24.21	11.96	5.64

## 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 = 74mA @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	16.95	22.91	21.13	10.96	1.13	0.70	---	18.33	4.53
30	16.84	22.56	18.39	12.18	1.12	0.72	33.46	18.78	4.52
50	16.52	22.24	17.16	12.95	1.13	0.73	33.42	18.37	4.61
100	16.16	21.77	15.56	15.02	1.13	0.75	34.05	19.08	4.83
200	15.88	21.56	15.09	16.65	1.15	0.77	34.97	18.97	4.83
300	15.77	21.55	14.56	17.58	1.16	0.78	33.04	19.09	4.93
400	15.73	21.49	14.61	17.25	1.15	0.78	38.12	19.00	5.07
500	15.72	21.51	15.28	16.87	1.16	0.77	36.65	19.09	5.04
700	15.71	21.53	15.34	17.29	1.17	0.77	36.23	19.04	4.96
800	15.71	21.56	15.49	16.98	1.17	0.77	35.57	19.01	4.93
1000	15.73	21.56	15.68	16.59	1.17	0.77	37.66	19.05	4.94
1200	15.75	21.56	16.11	16.17	1.17	0.76	35.65	18.81	4.91
1300	15.77	21.58	16.12	15.84	1.17	0.76	36.92	18.89	4.88
1400	15.80	21.56	16.19	15.82	1.16	0.76	35.63	18.87	4.87
1500	15.81	21.58	16.46	15.95	1.17	0.75	34.59	18.88	4.87
1600	15.83	21.57	16.45	15.76	1.17	0.75	35.35	18.86	4.82
1700	15.87	21.57	16.42	15.53	1.16	0.75	34.88	18.85	4.89
1800	15.90	21.56	16.37	15.49	1.16	0.74	33.19	18.89	4.93
1900	15.93	21.58	16.47	15.53	1.16	0.74	34.11	18.67	4.88
2000	15.96	21.54	16.70	15.44	1.16	0.73	34.63	18.68	4.82
2100	15.99	21.53	16.58	15.27	1.15	0.73	32.08	18.73	4.91
2200	16.02	21.54	16.49	15.32	1.15	0.73	33.46	18.61	4.89
2300	16.05	21.51	16.28	15.23	1.15	0.72	32.24	18.64	4.89
2400	16.09	21.55	16.36	14.87	1.15	0.72	32.44	18.41	4.90
2500	16.12	21.51	16.45	14.58	1.14	0.71	31.17	18.45	4.85
2600	16.14	21.50	16.23	14.38	1.14	0.71	31.60	18.38	4.99
2700	16.16	21.47	16.18	14.07	1.13	0.70	30.88	18.15	5.10
2800	16.19	21.51	16.09	13.75	1.13	0.70	31.19	17.81	5.12
2900	16.21	21.45	15.94	13.26	1.12	0.69	30.20	17.78	5.17
3000	16.23	21.46	15.91	12.97	1.11	0.68	29.72	17.50	5.09
3100	16.24	21.41	15.97	12.60	1.11	0.67	30.05	17.40	5.05
3200	16.24	21.40	16.03	12.20	1.10	0.66	29.88	17.18	5.05
3300	16.25	21.40	16.02	11.86	1.10	0.66	29.56	16.91	5.10
3400	16.24	21.41	16.22	11.56	1.10	0.65	28.69	16.66	5.10
3500	16.24	21.35	16.34	11.27	1.09	0.64	29.44	16.64	5.11
3600	16.22	21.35	16.43	10.93	1.09	0.64	28.09	16.35	5.07
3800	16.18	21.26	16.85	10.39	1.07	0.62	28.60	15.91	5.14
4000	16.11	21.20	17.38	10.04	1.07	0.61	27.82	15.40	5.17
4200	16.03	21.14	17.68	9.67	1.06	0.60	27.03	15.21	5.13
4400	15.92	21.04	17.88	9.39	1.06	0.60	27.06	14.44	5.27
4600	15.78	20.96	17.87	9.14	1.06	0.59	26.49	14.01	5.12
4800	15.60	20.85	17.68	8.95	1.06	0.59	26.10	13.79	5.20
5000	15.40	20.76	17.31	8.77	1.06	0.60	25.65	13.17	5.32
5200	15.16	20.64	16.67	8.53	1.06	0.60	25.33	12.99	5.22
5400	14.88	20.57	15.90	8.26	1.07	0.60	24.79	12.59	5.39
5600	14.55	20.51	14.79	7.90	1.07	0.60	24.79	12.29	5.57
5800	14.17	20.49	13.86	7.50	1.08	0.61	23.88	12.22	5.47
6000	13.76	20.46	13.04	7.15	1.10	0.61	24.17	11.76	5.52

*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 = 5.25V, Id = 91mA @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	17.02	22.90	20.17	11.59	1.13	0.71	---	19.92	4.68
30	16.92	22.58	17.81	12.41	1.12	0.72	29.88	20.14	4.67
50	16.59	22.07	16.62	13.50	1.11	0.73	35.56	19.87	4.79
100	16.20	21.87	14.89	15.54	1.13	0.76	35.63	20.51	4.99
200	15.85	21.68	14.62	17.20	1.16	0.78	34.23	20.51	4.98
300	15.70	21.70	14.25	18.48	1.18	0.79	37.74	20.64	5.11
400	15.61	21.76	14.50	17.99	1.19	0.80	39.22	20.56	5.21
500	15.54	21.76	15.09	17.41	1.19	0.80	38.72	20.68	5.20
700	15.45	21.89	15.30	17.51	1.22	0.80	35.65	20.60	5.14
800	15.40	21.96	15.51	17.40	1.23	0.81	37.42	20.54	5.10
1000	15.35	22.00	15.96	17.22	1.24	0.81	35.06	20.66	5.10
1200	15.32	22.07	16.36	16.91	1.25	0.81	35.08	20.25	5.01
1300	15.32	22.12	16.20	16.61	1.25	0.81	35.62	20.38	5.06
1400	15.33	22.13	16.41	16.48	1.25	0.81	36.30	20.38	5.09
1500	15.32	22.15	16.87	16.71	1.26	0.81	33.43	20.38	5.04
1600	15.33	22.17	16.58	16.46	1.26	0.81	35.31	20.12	5.03
1700	15.35	22.16	16.86	16.33	1.26	0.80	34.93	20.13	5.04
1800	15.36	22.17	16.65	16.40	1.26	0.80	35.33	20.11	5.10
1900	15.38	22.18	16.58	16.51	1.26	0.80	35.18	20.03	5.11
2000	15.40	22.22	16.99	16.26	1.26	0.80	34.16	19.84	5.00
2100	15.43	22.22	16.49	16.36	1.26	0.80	33.39	19.88	5.08
2200	15.44	22.23	16.77	16.21	1.26	0.80	30.39	19.79	5.06
2300	15.46	22.23	16.54	16.16	1.26	0.80	32.46	19.58	5.05
2400	15.49	22.23	16.54	15.81	1.26	0.79	32.42	19.42	5.08
2500	15.51	22.22	16.85	15.39	1.25	0.79	31.13	19.33	5.04
2600	15.54	22.23	16.55	15.32	1.25	0.78	32.80	19.25	5.17
2700	15.56	22.21	16.59	14.83	1.24	0.78	30.66	18.99	5.29
2800	15.59	22.20	16.51	14.66	1.24	0.77	30.70	18.63	5.36
2900	15.62	22.19	16.30	13.99	1.23	0.77	29.82	18.61	5.34
3000	15.63	22.21	16.18	13.82	1.23	0.77	30.16	18.31	5.28
3100	15.65	22.18	16.22	13.37	1.22	0.76	30.60	18.22	5.25
3200	15.65	22.19	16.37	12.97	1.21	0.75	29.46	17.99	5.26
3300	15.66	22.17	16.37	12.73	1.21	0.75	29.43	17.71	5.27
3400	15.66	22.14	16.42	12.33	1.20	0.74	29.00	17.48	5.29
3500	15.65	22.16	16.59	12.20	1.21	0.74	28.78	17.26	5.29
3600	15.65	22.10	16.67	11.73	1.19	0.73	28.61	17.17	5.29
3800	15.62	22.10	17.14	11.17	1.19	0.72	27.66	16.73	5.36
4000	15.56	22.03	17.82	10.90	1.19	0.71	27.42	16.23	5.39
4200	15.50	21.95	18.15	10.55	1.18	0.70	27.30	15.84	5.35
4400	15.41	21.84	18.30	10.18	1.17	0.69	27.10	15.28	5.48
4600	15.30	21.76	18.31	9.82	1.16	0.69	26.59	14.85	5.34
4800	15.13	21.66	17.96	9.64	1.16	0.69	25.88	14.64	5.42
5000	14.95	21.55	17.70	9.39	1.16	0.68	25.57	14.02	5.56
5200	14.71	21.45	17.18	9.18	1.17	0.68	25.51	13.63	5.47
5400	14.45	21.39	16.24	8.87	1.18	0.68	24.98	13.22	5.61
5600	14.11	21.29	15.15	8.50	1.18	0.68	24.65	12.92	5.83
5800	13.74	21.29	14.32	8.11	1.20	0.69	24.38	12.86	5.72
6000	13.34	21.24	13.47	7.77	1.21	0.69	24.15	12.40	5.78

