

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.3V, Id = 76.18 mA @ Temperature = +25degC

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)
50.00	17.73	23.19	14.21	18.51	1.14	0.76	31.53	17.82	2.10
80.00	17.14	22.43	16.76	18.87	1.14	0.73	32.21	17.91	1.97
100.00	16.93	22.26	18.14	19.00	1.15	0.72	32.46	17.83	2.00
200.00	16.55	22.00	21.40	19.27	1.18	0.72	32.09	17.88	1.96
400.00	16.32	21.92	22.06	19.17	1.19	0.72	32.80	17.69	2.18
500.00	16.22	21.95	21.60	19.08	1.20	0.73	32.65	17.75	2.22
600.00	16.12	21.91	20.87	18.92	1.21	0.73	32.75	17.73	2.18
800.00	15.90	21.94	19.22	18.59	1.23	0.75	32.97	17.68	2.22
1000.00	15.63	21.95	17.75	18.27	1.24	0.77	32.35	17.74	2.14
1200.00	15.34	21.94	16.45	17.96	1.26	0.79	33.10	17.70	2.27
1400.00	15.03	21.96	15.29	17.73	1.29	0.81	33.34	17.71	2.28
1500.00	14.88	21.96	14.70	17.47	1.29	0.82	32.76	17.78	2.31
1600.00	14.70	21.96	14.37	17.59	1.31	0.83	33.06	17.69	2.35
1800.00	14.38	21.98	13.49	17.43	1.33	0.85	33.66	17.56	2.36
2000.00	14.04	21.97	12.88	17.64	1.36	0.87	33.23	17.81	2.39
2200.00	13.72	21.93	12.29	17.75	1.38	0.89	33.13	17.99	2.45
2400.00	13.42	21.90	11.83	17.77	1.40	0.91	33.38	17.82	2.44
2500.00	13.27	21.94	11.64	17.87	1.41	0.92	33.32	17.96	2.50
2600.00	13.13	21.94	11.46	17.91	1.43	0.93	33.58	17.80	2.61
2800.00	12.85	21.83	11.14	17.97	1.44	0.95	33.46	17.78	2.65
3000.00	12.57	21.81	10.87	17.73	1.46	0.96	33.43	17.84	2.57
3200.00	12.35	21.77	10.64	17.84	1.47	0.97	32.91	17.81	2.70
3400.00	12.09	21.84	10.61	18.20	1.52	0.98	33.34	17.88	2.73
3500.00	12.00	21.75	10.43	17.93	1.51	0.98	33.57	17.63	2.89
3600.00	11.89	21.62	10.24	17.62	1.50	0.99	33.63	17.80	2.78
3800.00	11.68	21.57	10.12	17.40	1.52	0.99	33.53	17.82	2.91
4000.00	11.51	21.44	9.87	17.10	1.51	1.00	33.78	17.77	3.01
4200.00	11.36	21.39	9.75	16.86	1.52	1.00	33.67	17.67	2.96
4400.00	11.24	21.35	9.57	16.39	1.51	1.01	33.48	17.50	3.04
4500.00	11.08	21.33	9.53	16.36	1.54	1.01	33.53	17.62	3.12
4600.00	11.06	21.42	9.49	16.15	1.55	1.01	33.33	17.68	3.19
4800.00	10.90	21.23	9.20	15.40	1.52	1.02	33.45	17.59	3.25
5000.00	10.75	21.21	9.09	15.04	1.53	1.02	33.46	17.18	3.27
5200.00	10.64	21.03	8.71	14.21	1.49	1.02	33.61	17.24	3.34
5400.00	10.55	20.98	8.50	13.69	1.48	1.02	33.92	16.79	3.45
5500.00	10.50	20.92	8.35	13.36	1.47	1.02	33.27	17.75	3.44
5600.00	10.67	21.34	8.50	13.68	1.51	1.03	33.63	17.27	3.51
5700.00	10.57	21.11	8.18	13.01	1.46	1.03	33.71	17.19	3.51
5800.00	10.48	20.92	7.96	12.52	1.43	1.03	33.58	17.27	3.59
5900.00	10.40	20.86	7.76	12.12	1.41	1.03	33.69	17.15	3.70
6000.00	10.37	20.82	7.64	12.03	1.40	1.03	34.30	16.80	3.72
6500.00	10.12	20.52	6.68	10.59	1.30	1.04	33.96	16.82	4.00
7000.00	9.73	20.58	5.74	9.16	1.23	1.05	33.55	16.34	4.12
7500.00	8.78	20.45	5.07	7.72	1.19	1.04	32.63	15.47	4.72
8000.00	7.49	21.63	4.30	6.09	1.27	1.01	30.33	15.48	5.32

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)
 Gain(Power Gain) = S21 (dB)
 Reverse Isolation = -S12 (dB)
 Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.1V, Id = 62.79 mA @ Temperature = +25degC

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)
50.00	17.34	22.64	13.60	18.45	1.13	0.75	28.66	16.84	1.99
80.00	16.77	22.08	15.98	19.90	1.15	0.74	28.97	16.92	1.96
100.00	16.56	21.88	17.23	20.61	1.16	0.73	29.01	16.86	2.00
200.00	16.19	21.63	20.26	22.00	1.18	0.73	28.59	16.90	2.02
400.00	15.96	21.57	20.96	22.24	1.20	0.73	29.36	16.76	2.17
500.00	15.87	21.56	20.62	22.11	1.20	0.74	29.20	16.82	2.24
600.00	15.77	21.55	20.10	21.87	1.21	0.74	29.12	16.78	2.19
800.00	15.56	21.59	18.76	21.23	1.23	0.76	29.42	16.75	2.18
1000.00	15.30	21.57	17.41	20.62	1.24	0.78	28.69	16.82	2.17
1200.00	15.02	21.58	16.17	19.98	1.26	0.80	29.64	16.80	2.29
1400.00	14.71	21.63	15.06	19.48	1.28	0.82	29.51	16.80	2.29
1500.00	14.57	21.67	14.50	19.04	1.29	0.83	29.34	16.87	2.31
1600.00	14.39	21.65	14.14	19.06	1.31	0.84	29.74	16.80	2.31
1800.00	14.07	21.69	13.26	18.62	1.33	0.87	29.92	16.70	2.37
2000.00	13.74	21.70	12.62	18.55	1.35	0.89	29.52	16.91	2.39
2200.00	13.42	21.71	12.02	18.44	1.38	0.91	29.49	17.04	2.46
2400.00	13.12	21.71	11.54	18.17	1.40	0.93	29.85	16.93	2.52
2500.00	12.97	21.76	11.34	18.13	1.42	0.94	29.56	17.02	2.52
2600.00	12.83	21.73	11.16	18.06	1.42	0.95	29.80	16.92	2.59
2800.00	12.55	21.74	10.82	17.88	1.45	0.96	29.91	16.89	2.67
3000.00	12.27	21.73	10.53	17.55	1.47	0.98	29.73	16.92	2.61
3200.00	12.06	21.69	10.27	17.46	1.48	0.99	29.22	16.89	2.68
3400.00	11.81	21.81	10.24	17.65	1.53	1.00	29.72	16.94	2.72
3500.00	11.71	21.75	10.07	17.37	1.53	1.00	29.71	16.70	2.85
3600.00	11.61	21.61	9.88	17.06	1.51	1.00	30.05	16.86	2.75
3800.00	11.40	21.62	9.76	16.85	1.54	1.01	29.76	16.81	2.88
4000.00	11.23	21.47	9.52	16.54	1.53	1.02	30.37	16.81	2.94
4200.00	11.08	21.49	9.40	16.31	1.54	1.02	29.79	16.69	2.98
4400.00	10.96	21.49	9.21	15.84	1.55	1.03	29.71	16.55	3.01
4500.00	10.80	21.45	9.18	15.87	1.56	1.03	29.92	16.67	3.09
4600.00	10.79	21.51	9.14	15.63	1.57	1.03	29.50	16.75	3.10
4800.00	10.62	21.37	8.86	14.95	1.55	1.04	29.70	16.65	3.21
5000.00	10.47	21.39	8.75	14.67	1.57	1.04	29.56	16.30	3.30
5200.00	10.36	21.20	8.38	13.86	1.52	1.04	30.02	16.39	3.32
5400.00	10.27	21.17	8.17	13.33	1.51	1.05	30.39	16.01	3.38
5500.00	10.22	21.14	8.04	13.05	1.50	1.05	29.81	16.85	3.42
5600.00	10.38	21.50	8.17	13.27	1.54	1.05	29.70	16.42	3.44
5700.00	10.28	21.29	7.86	12.67	1.49	1.05	29.96	16.36	3.60
5800.00	10.19	21.13	7.65	12.19	1.45	1.05	30.13	16.44	3.61
5900.00	10.12	21.07	7.46	11.84	1.44	1.06	29.71	16.33	3.67
6000.00	10.08	21.05	7.34	11.75	1.43	1.06	30.19	16.03	3.64
6500.00	9.82	20.71	6.43	10.41	1.32	1.07	29.85	16.02	4.00
7000.00	9.42	20.76	5.53	9.06	1.24	1.08	29.60	15.57	4.16
7500.00	8.47	20.65	4.89	7.65	1.20	1.06	28.81	14.76	4.71
8000.00	7.16	21.84	4.17	6.05	1.29	1.03	27.16	14.59	5.31

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.5V, Id = 89.78 mA @ Temperature = +25degC

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)
50.00	17.99	23.46	14.72	18.18	1.14	0.76	32.93	18.58	2.21
80.00	17.39	22.68	17.20	18.05	1.14	0.73	34.09	18.57	2.05
100.00	17.18	22.51	18.58	17.99	1.15	0.72	34.95	18.45	2.07
200.00	16.80	22.25	21.95	17.96	1.18	0.71	34.60	18.55	2.01
400.00	16.56	22.20	22.48	17.85	1.20	0.72	35.64	18.31	2.22
500.00	16.46	22.15	21.93	17.78	1.20	0.72	35.33	18.36	2.24
600.00	16.36	22.17	21.15	17.66	1.21	0.73	35.54	18.34	2.18
800.00	16.13	22.19	19.40	17.41	1.23	0.74	35.51	18.25	2.20
1000.00	15.85	22.18	17.87	17.21	1.24	0.76	35.22	18.38	2.24
1200.00	15.56	22.19	16.54	17.00	1.27	0.78	35.43	18.28	2.29
1400.00	15.24	22.18	15.40	16.87	1.29	0.80	36.02	18.31	2.26
1500.00	15.09	22.21	14.82	16.69	1.30	0.81	35.30	18.39	2.34
1600.00	14.91	22.15	14.50	16.83	1.31	0.82	35.56	18.26	2.37
1800.00	14.58	22.17	13.60	16.79	1.33	0.84	36.02	18.12	2.40
2000.00	14.24	22.14	13.03	17.09	1.36	0.87	36.02	18.45	2.42
2200.00	13.92	22.12	12.44	17.34	1.38	0.89	35.62	18.67	2.46
2400.00	13.61	22.04	11.99	17.45	1.40	0.90	35.69	18.45	2.50
2500.00	13.46	22.02	11.82	17.60	1.41	0.91	35.58	18.65	2.58
2600.00	13.32	22.03	11.64	17.72	1.42	0.92	35.82	18.39	2.58
2800.00	13.04	21.97	11.32	17.89	1.44	0.94	35.71	18.40	2.67
3000.00	12.75	21.91	11.07	17.73	1.46	0.95	35.93	18.46	2.72
3200.00	12.54	21.81	10.84	18.00	1.47	0.96	35.17	18.45	2.77
3400.00	12.28	21.87	10.83	18.44	1.51	0.97	35.77	18.55	2.77
3500.00	12.18	21.74	10.66	18.20	1.50	0.97	35.96	18.25	2.91
3600.00	12.08	21.64	10.46	17.85	1.49	0.98	35.55	18.44	2.81
3800.00	11.86	21.56	10.33	17.64	1.50	0.98	36.03	18.45	2.92
4000.00	11.69	21.43	10.09	17.36	1.50	0.99	35.86	18.39	3.04
4200.00	11.53	21.40	9.98	17.15	1.51	0.99	35.44	18.27	3.03
4400.00	11.42	21.32	9.79	16.66	1.50	1.00	36.12	18.16	3.09
4500.00	11.26	21.31	9.74	16.63	1.52	1.00	35.87	18.25	3.16
4600.00	11.24	21.36	9.73	16.40	1.53	1.00	35.74	18.39	3.21
4800.00	11.07	21.13	9.42	15.61	1.50	1.00	35.75	18.24	3.28
5000.00	10.92	21.15	9.31	15.25	1.52	1.00	36.27	17.78	3.31
5200.00	10.81	20.92	8.92	14.39	1.47	1.01	35.81	17.84	3.42
5400.00	10.73	20.89	8.69	13.83	1.46	1.01	35.99	17.31	3.50
5500.00	10.68	20.84	8.55	13.53	1.45	1.01	35.93	18.44	3.53
5600.00	10.85	21.22	8.71	13.87	1.49	1.02	35.84	17.88	3.58
5700.00	10.74	20.99	8.38	13.19	1.44	1.02	35.78	17.78	3.64
5800.00	10.65	20.85	8.15	12.68	1.41	1.02	35.96	17.87	3.64
5900.00	10.58	20.79	7.94	12.28	1.40	1.02	36.65	17.77	3.78
6000.00	10.55	20.74	7.82	12.17	1.39	1.02	36.18	17.34	3.72
6500.00	10.30	20.42	6.84	10.67	1.29	1.02	36.88	17.38	4.11
7000.00	9.92	20.46	5.87	9.22	1.22	1.03	36.60	16.87	4.30
7500.00	8.98	20.37	5.17	7.75	1.19	1.02	36.91	15.96	4.92
8000.00	7.68	21.48	4.38	6.10	1.26	0.99	33.85	16.08	5.50

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.3V, Id = 72.42 mA @ Temperature = -45degC

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)
50.00	17.47	22.65	14.75	18.18	1.12	0.74	29.90	17.39	1.60
80.00	16.83	22.16	17.04	17.93	1.14	0.73	30.87	17.49	1.60
100.00	16.59	21.94	18.34	17.94	1.15	0.72	30.94	17.43	1.65
200.00	16.16	21.59	22.30	18.21	1.18	0.71	30.60	17.38	1.64
400.00	15.91	21.55	22.39	17.01	1.20	0.71	31.64	17.20	1.85
500.00	15.82	21.56	21.85	16.87	1.20	0.72	31.42	17.27	1.94
600.00	15.73	21.52	21.07	16.91	1.21	0.72	31.43	17.23	1.86
800.00	15.54	21.56	19.59	17.09	1.22	0.74	31.73	17.22	1.87
1000.00	15.32	21.55	18.29	17.05	1.24	0.75	30.93	17.26	1.85
1200.00	15.06	21.54	16.94	16.60	1.26	0.76	31.81	17.27	1.88
1400.00	14.78	21.57	15.59	16.17	1.28	0.78	31.94	17.25	1.87
1500.00	14.65	21.61	14.95	16.02	1.29	0.79	31.61	17.27	1.93
1600.00	14.49	21.59	14.64	16.26	1.30	0.80	31.99	17.24	1.96
1800.00	14.21	21.60	13.82	16.40	1.32	0.83	32.14	17.18	1.96
2000.00	13.91	21.57	13.23	16.74	1.34	0.85	31.90	17.30	1.96
2200.00	13.62	21.59	12.57	17.01	1.36	0.87	31.97	17.41	1.97
2400.00	13.35	21.55	12.19	17.29	1.38	0.89	32.22	17.32	2.03
2500.00	13.22	21.56	12.01	17.55	1.39	0.90	31.92	17.39	2.05
2600.00	13.09	21.54	11.92	17.86	1.40	0.91	32.12	17.33	2.09
2800.00	12.84	21.52	11.72	18.37	1.43	0.92	32.15	17.31	2.21
3000.00	12.60	21.45	11.51	18.35	1.44	0.93	31.98	17.35	2.19
3200.00	12.41	21.39	11.30	18.77	1.45	0.94	31.44	17.31	2.19
3400.00	12.15	21.49	11.26	19.03	1.50	0.95	32.13	17.31	2.20
3500.00	12.06	21.43	11.07	18.68	1.49	0.96	31.84	17.13	2.32
3600.00	11.99	21.30	10.79	18.23	1.47	0.96	32.36	17.26	2.17
3800.00	11.79	21.24	10.69	18.29	1.49	0.97	31.94	17.26	2.31
4000.00	11.63	21.14	10.43	18.23	1.49	0.97	32.62	17.19	2.43
4200.00	11.48	21.19	10.26	18.01	1.51	0.98	32.03	17.11	2.33
4400.00	11.35	21.17	9.97	17.18	1.51	0.99	31.90	16.95	2.41
4500.00	11.20	21.14	9.79	17.05	1.52	0.99	32.06	17.04	2.44
4600.00	11.16	21.21	9.69	17.02	1.53	1.00	31.69	17.11	2.54
4800.00	11.02	21.06	9.25	16.24	1.51	1.00	32.06	17.02	2.58
5000.00	10.85	21.07	9.13	15.87	1.52	1.01	31.56	16.72	2.70
5200.00	10.72	20.96	8.84	15.08	1.50	1.01	32.34	16.66	2.70
5400.00	10.74	20.93	8.74	14.56	1.48	1.02	32.39	16.30	2.76
5500.00	10.67	20.85	8.67	14.33	1.47	1.01	32.32	17.08	2.79
5600.00	10.81	21.23	8.88	14.97	1.52	1.02	31.98	16.77	2.86
5700.00	10.79	21.09	8.59	14.19	1.48	1.02	32.14	16.63	2.85
5800.00	10.71	20.91	8.52	13.59	1.45	1.02	32.29	16.72	2.82
5900.00	10.66	20.77	8.49	13.23	1.43	1.01	32.09	16.73	2.92
6000.00	10.64	20.73	8.34	12.95	1.42	1.01	32.42	16.35	2.93
6500.00	10.53	20.35	7.51	11.41	1.32	1.01	31.97	16.37	3.17
7000.00	10.16	20.57	6.02	9.62	1.24	1.03	31.49	15.88	3.41
7500.00	9.32	20.46	4.91	8.19	1.16	1.05	30.31	15.01	3.87
8000.00	8.19	21.57	4.20	6.58	1.23	1.03	29.32	15.17	4.39

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)
 Gain(Power Gain) = S21 (dB)
 Reverse Isolation = -S12 (dB)
 Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.1V, Id = 59.08 mA @ Temperature = -45degC

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)
50.00	17.02	22.37	14.10	18.29	1.13	0.75	27.07	16.20	1.55
80.00	16.40	21.72	16.41	19.09	1.15	0.73	27.44	16.29	1.55
100.00	16.16	21.51	17.64	19.61	1.16	0.73	27.44	16.24	1.63
200.00	15.74	21.17	21.53	20.94	1.18	0.72	27.00	16.18	1.65
400.00	15.50	21.13	22.56	19.66	1.20	0.72	27.89	16.01	1.86
500.00	15.42	21.09	22.14	19.45	1.20	0.72	27.89	16.07	1.92
600.00	15.33	21.07	21.31	19.48	1.21	0.73	27.68	16.01	1.81
800.00	15.15	21.12	19.70	19.61	1.22	0.75	27.95	16.03	1.82
1000.00	14.94	21.11	18.34	19.44	1.24	0.76	27.12	16.04	1.73
1200.00	14.69	21.13	17.06	18.70	1.26	0.78	28.19	16.08	1.88
1400.00	14.42	21.17	15.66	18.05	1.28	0.80	28.02	16.06	1.87
1500.00	14.29	21.19	15.01	17.75	1.28	0.81	27.84	16.08	1.94
1600.00	14.14	21.21	14.64	17.94	1.30	0.82	28.23	16.07	1.94
1800.00	13.87	21.22	13.78	17.94	1.31	0.84	28.27	15.99	1.96
2000.00	13.58	21.28	13.14	18.12	1.34	0.86	28.03	16.13	1.96
2200.00	13.29	21.30	12.42	18.21	1.36	0.89	28.16	16.24	1.97
2400.00	13.02	21.33	12.01	18.23	1.38	0.91	28.40	16.15	2.03
2500.00	12.89	21.32	11.80	18.37	1.39	0.92	27.94	16.22	2.05
2600.00	12.76	21.32	11.67	18.56	1.40	0.92	28.24	16.17	2.06
2800.00	12.52	21.33	11.46	18.76	1.43	0.94	28.32	16.12	2.20
3000.00	12.28	21.32	11.21	18.58	1.45	0.95	28.07	16.16	2.18
3200.00	12.09	21.26	10.97	18.74	1.46	0.96	27.62	16.10	2.14
3400.00	11.84	21.45	10.92	18.92	1.52	0.97	28.24	16.12	2.17
3500.00	11.75	21.38	10.73	18.47	1.51	0.98	28.06	15.93	2.27
3600.00	11.68	21.29	10.47	17.97	1.49	0.98	28.50	16.03	2.13
3800.00	11.49	21.23	10.33	17.97	1.51	0.99	28.11	16.05	2.30
4000.00	11.34	21.17	10.10	17.84	1.51	0.99	28.84	15.99	2.34
4200.00	11.19	21.22	9.91	17.64	1.53	1.00	28.22	15.88	2.40
4400.00	11.06	21.28	9.64	16.86	1.54	1.01	27.93	15.81	2.38
4500.00	10.91	21.23	9.48	16.77	1.55	1.01	28.36	15.89	2.40
4600.00	10.88	21.31	9.36	16.72	1.56	1.02	27.90	15.96	2.52
4800.00	10.73	21.22	8.93	16.01	1.54	1.03	28.20	15.88	2.57
5000.00	10.56	21.25	8.81	15.68	1.56	1.03	27.76	15.61	2.57
5200.00	10.42	21.15	8.53	14.86	1.54	1.04	28.52	15.62	2.65
5400.00	10.45	21.14	8.41	14.24	1.51	1.04	28.57	15.31	2.67
5500.00	10.38	21.08	8.35	14.04	1.51	1.04	28.54	16.06	2.80
5600.00	10.51	21.49	8.53	14.59	1.57	1.04	28.14	15.66	2.78
5700.00	10.49	21.32	8.23	13.80	1.51	1.05	28.39	15.60	2.81
5800.00	10.41	21.12	8.16	13.24	1.48	1.04	28.60	15.72	2.89
5900.00	10.37	20.98	8.14	12.92	1.46	1.04	28.11	15.66	2.87
6000.00	10.35	20.94	8.02	12.68	1.45	1.04	28.47	15.35	2.85
6500.00	10.24	20.60	7.23	11.27	1.34	1.04	28.20	15.35	3.17
7000.00	9.86	20.81	5.80	9.57	1.26	1.06	27.92	14.94	3.27
7500.00	9.01	20.74	4.73	8.18	1.18	1.09	26.91	14.22	3.84
8000.00	7.85	21.82	4.06	6.59	1.25	1.06	26.07	14.08	4.34

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)
 Gain(Power Gain) = S21 (dB)
 Reverse Isolation = -S12 (dB)
 Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.5V, Id = 85.73 mA @ Temperature = -45degC

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)
50.00	17.75	23.27	15.29	17.58	1.14	0.76	30.56	18.40	1.72
80.00	17.10	22.44	17.40	16.93	1.14	0.72	32.45	18.52	1.66
100.00	16.86	22.22	18.61	16.84	1.15	0.72	33.19	18.46	1.67
200.00	16.43	21.89	22.41	16.80	1.18	0.70	33.85	18.44	1.57
400.00	16.16	21.85	21.95	15.72	1.20	0.70	34.93	18.21	1.87
500.00	16.07	21.85	21.38	15.62	1.20	0.71	34.97	18.29	1.93
600.00	15.98	21.82	20.71	15.67	1.21	0.71	35.13	18.26	1.85
800.00	15.79	21.81	19.36	15.86	1.22	0.73	35.08	18.25	1.93
1000.00	15.56	21.83	18.15	15.86	1.24	0.74	34.70	18.32	1.83
1200.00	15.29	21.81	16.81	15.52	1.26	0.76	35.25	18.29	1.86
1400.00	15.00	21.81	15.49	15.21	1.28	0.77	35.88	18.27	1.84
1500.00	14.87	21.82	14.87	15.09	1.29	0.78	35.13	18.29	1.97
1600.00	14.71	21.81	14.59	15.37	1.30	0.80	35.41	18.23	1.96
1800.00	14.43	21.80	13.82	15.56	1.32	0.82	35.78	18.16	1.93
2000.00	14.13	21.78	13.28	15.96	1.34	0.84	35.44	18.31	1.96
2200.00	13.83	21.74	12.67	16.26	1.36	0.86	35.34	18.45	1.99
2400.00	13.55	21.71	12.31	16.69	1.38	0.88	35.45	18.32	2.05
2500.00	13.43	21.73	12.15	16.97	1.39	0.89	35.42	18.44	2.06
2600.00	13.29	21.68	12.05	17.34	1.40	0.90	35.62	18.31	2.14
2800.00	13.05	21.64	11.90	17.97	1.42	0.91	35.58	18.30	2.13
3000.00	12.80	21.56	11.69	18.08	1.44	0.92	35.63	18.37	2.16
3200.00	12.61	21.44	11.50	18.63	1.44	0.93	34.81	18.36	2.23
3400.00	12.34	21.51	11.50	18.94	1.49	0.94	35.31	18.37	2.21
3500.00	12.26	21.43	11.29	18.62	1.48	0.94	35.38	18.16	2.32
3600.00	12.18	21.31	11.02	18.24	1.46	0.95	35.57	18.31	2.25
3800.00	11.98	21.23	10.93	18.36	1.48	0.95	35.52	18.30	2.32
4000.00	11.82	21.13	10.66	18.30	1.48	0.96	35.70	18.25	2.46
4200.00	11.67	21.13	10.49	18.05	1.49	0.97	35.47	18.14	2.37
4400.00	11.54	21.10	10.19	17.28	1.49	0.97	35.44	18.00	2.47
4500.00	11.38	21.07	9.99	17.13	1.50	0.98	35.29	18.04	2.55
4600.00	11.35	21.13	9.90	17.12	1.51	0.98	35.31	18.13	2.67
4800.00	11.20	20.96	9.44	16.32	1.48	0.99	35.21	17.99	2.63
5000.00	11.04	20.98	9.32	15.94	1.50	0.99	35.36	17.63	2.64
5200.00	10.91	20.85	9.11	15.17	1.48	0.99	35.65	17.54	2.73
5400.00	10.93	20.82	8.94	14.71	1.46	1.00	35.78	17.09	2.80
5500.00	10.85	20.73	8.89	14.47	1.45	1.00	35.50	17.99	2.82
5600.00	10.99	21.09	9.08	15.18	1.49	1.00	35.53	17.61	2.87
5700.00	10.95	20.93	8.77	14.40	1.45	1.01	35.64	17.44	2.89
5800.00	10.91	20.76	8.81	13.79	1.43	1.00	35.66	17.54	2.85
5900.00	10.84	20.61	8.75	13.38	1.41	0.99	35.84	17.56	2.94
6000.00	10.83	20.56	8.58	13.10	1.39	0.99	36.27	17.12	3.02
6500.00	10.72	20.20	7.71	11.50	1.30	0.98	36.43	17.17	3.19
7000.00	10.35	20.42	6.17	9.62	1.23	1.01	36.23	16.59	3.57
7500.00	9.52	20.31	5.06	8.21	1.16	1.03	34.67	15.72	4.02
8000.00	8.41	21.39	4.28	6.56	1.21	1.01	33.16	15.91	4.55

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.3V, Id = 79.42 mA @ Temperature = +85degC

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)
50.00	17.91	23.43	13.47	18.47	1.14	0.76	31.54	17.84	2.67
80.00	17.37	22.70	16.00	19.99	1.15	0.74	32.37	17.84	2.42
100.00	17.18	22.51	17.27	20.54	1.16	0.73	32.60	17.70	2.42
200.00	16.84	22.30	19.98	21.00	1.18	0.73	32.29	17.84	2.26
400.00	16.61	22.24	19.85	21.60	1.19	0.74	32.95	17.63	2.51
500.00	16.51	22.23	19.46	21.92	1.20	0.74	32.80	17.69	2.55
600.00	16.39	22.24	19.01	21.77	1.21	0.75	32.81	17.67	2.49
800.00	16.15	22.21	17.89	21.28	1.22	0.77	33.14	17.59	2.48
1000.00	15.86	22.22	16.83	20.82	1.24	0.79	32.55	17.72	2.52
1200.00	15.54	22.21	15.78	20.21	1.26	0.81	33.22	17.64	2.54
1400.00	15.20	22.26	14.81	19.59	1.29	0.83	33.28	17.65	2.61
1500.00	15.03	22.24	14.35	19.08	1.30	0.84	32.95	17.77	2.65
1600.00	14.85	22.20	13.96	18.98	1.31	0.85	33.26	17.64	2.66
1800.00	14.49	22.25	13.14	18.38	1.34	0.87	33.33	17.49	2.72
2000.00	14.12	22.22	12.52	18.09	1.36	0.90	33.42	17.82	2.75
2200.00	13.77	22.23	11.92	17.79	1.39	0.92	33.03	18.03	2.83
2400.00	13.44	22.18	11.39	17.41	1.41	0.94	33.36	17.84	2.89
2500.00	13.27	22.22	11.21	17.34	1.43	0.95	33.16	18.00	2.94
2600.00	13.11	22.18	10.99	17.26	1.43	0.95	33.47	17.76	3.03
2800.00	12.81	22.13	10.63	17.04	1.45	0.97	33.44	17.77	3.17
3000.00	12.51	22.05	10.33	16.73	1.46	0.98	33.22	17.81	3.15
3200.00	12.27	22.02	10.09	16.78	1.48	0.99	32.88	17.79	3.27
3400.00	12.01	22.05	10.01	16.96	1.52	1.00	33.21	17.93	3.26
3500.00	11.88	21.98	9.89	16.85	1.52	1.01	33.32	17.59	3.36
3600.00	11.78	21.82	9.71	16.56	1.50	1.01	33.28	17.81	3.28
3800.00	11.56	21.76	9.62	16.38	1.52	1.01	33.32	17.82	3.48
4000.00	11.38	21.62	9.44	16.11	1.52	1.02	33.45	17.80	3.57
4200.00	11.23	21.65	9.40	15.86	1.54	1.02	33.21	17.64	3.56
4400.00	11.11	21.53	9.29	15.39	1.53	1.02	33.42	17.50	3.58
4500.00	10.95	21.52	9.32	15.44	1.55	1.02	33.34	17.64	3.62
4600.00	10.95	21.52	9.27	15.09	1.54	1.02	33.36	17.77	3.66
4800.00	10.77	21.24	9.08	14.40	1.51	1.02	33.16	17.61	3.77
5000.00	10.61	21.18	8.86	13.89	1.51	1.02	33.46	17.15	3.82
5200.00	10.46	21.03	8.62	13.26	1.49	1.02	33.42	17.30	3.94
5400.00	10.38	20.95	8.20	12.44	1.45	1.03	33.78	16.78	4.03
5500.00	10.30	20.99	8.13	12.38	1.46	1.03	33.18	17.86	4.12
5600.00	10.43	21.30	8.08	12.33	1.48	1.04	33.55	17.28	4.22
5700.00	10.24	20.98	7.73	11.69	1.43	1.03	33.57	17.27	4.27
5800.00	10.22	20.98	7.54	11.38	1.41	1.04	33.52	17.31	4.30
5900.00	10.12	20.94	7.33	11.13	1.40	1.04	33.69	17.15	4.39
6000.00	10.09	20.88	7.17	11.00	1.38	1.05	33.76	16.79	4.48
6500.00	9.69	20.68	6.16	9.70	1.28	1.06	33.72	16.82	4.82
7000.00	9.25	20.68	5.47	8.62	1.23	1.07	33.43	16.43	4.99
7500.00	8.27	20.46	5.08	7.27	1.20	1.04	33.04	15.58	5.56
8000.00	6.79	21.17	4.56	5.94	1.33	0.98	30.78	15.35	6.25

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)
 Gain(Power Gain) = S21 (dB)
 Reverse Isolation = -S12 (dB)
 Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.1V, Id = 66.22 mA @ Temperature = +85degC

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)
50.00	17.56	22.94	13.04	17.99	1.13	0.75	29.47	17.03	2.56
80.00	17.03	22.36	15.29	20.39	1.15	0.74	30.06	17.11	2.37
100.00	16.85	22.17	16.49	21.51	1.16	0.73	30.07	17.03	2.36
200.00	16.51	21.98	19.00	23.30	1.18	0.73	29.90	17.12	2.21
400.00	16.28	21.95	18.90	24.25	1.20	0.74	30.46	16.94	2.46
500.00	16.19	21.91	18.56	24.63	1.20	0.75	30.37	17.02	2.55
600.00	16.08	21.91	18.19	24.38	1.21	0.76	30.37	17.00	2.47
800.00	15.84	21.91	17.23	23.53	1.22	0.77	30.59	16.95	2.47
1000.00	15.56	21.93	16.34	22.68	1.24	0.80	29.92	17.06	2.45
1200.00	15.25	21.90	15.34	21.71	1.26	0.81	30.77	17.01	2.54
1400.00	14.91	21.93	14.45	20.75	1.28	0.84	30.75	17.03	2.60
1500.00	14.75	21.94	14.00	20.08	1.29	0.85	30.44	17.11	2.63
1600.00	14.57	21.94	13.65	19.83	1.31	0.86	30.81	17.00	2.64
1800.00	14.21	21.97	12.84	18.99	1.33	0.88	31.07	16.89	2.66
2000.00	13.85	21.99	12.22	18.48	1.36	0.91	30.91	17.15	2.73
2200.00	13.50	22.03	11.63	17.96	1.39	0.93	30.67	17.32	2.78
2400.00	13.17	22.01	11.11	17.41	1.41	0.95	31.04	17.14	2.88
2500.00	13.01	22.03	10.91	17.26	1.42	0.96	30.63	17.26	2.91
2600.00	12.85	22.00	10.69	17.10	1.43	0.97	31.07	17.10	2.99
2800.00	12.55	21.99	10.33	16.75	1.45	0.98	31.06	17.10	3.13
3000.00	12.25	21.95	10.03	16.39	1.47	0.99	30.91	17.14	3.10
3200.00	12.00	21.93	9.78	16.32	1.48	1.01	30.27	17.11	3.18
3400.00	11.75	22.01	9.69	16.43	1.53	1.02	30.88	17.16	3.20
3500.00	11.63	21.93	9.57	16.32	1.53	1.02	30.89	16.91	3.32
3600.00	11.53	21.83	9.40	16.03	1.52	1.02	31.05	17.11	3.28
3800.00	11.31	21.77	9.31	15.86	1.53	1.03	31.02	17.06	3.37
4000.00	11.13	21.67	9.12	15.59	1.53	1.03	31.30	17.03	3.55
4200.00	10.98	21.69	9.09	15.36	1.55	1.04	30.97	16.91	3.53
4400.00	10.86	21.61	8.97	14.91	1.55	1.04	30.86	16.77	3.46
4500.00	10.70	21.61	9.02	15.00	1.58	1.04	31.14	16.90	3.62
4600.00	10.70	21.61	8.95	14.64	1.57	1.04	30.69	16.98	3.58
4800.00	10.52	21.36	8.75	14.04	1.54	1.04	30.86	16.87	3.73
5000.00	10.37	21.31	8.55	13.54	1.54	1.04	30.92	16.48	3.78
5200.00	10.21	21.12	8.31	12.94	1.51	1.04	31.25	16.62	3.90
5400.00	10.13	21.06	7.93	12.20	1.47	1.04	31.63	16.17	4.01
5500.00	10.06	21.13	7.86	12.14	1.49	1.05	30.80	17.06	4.04
5600.00	10.18	21.44	7.81	12.07	1.50	1.05	30.94	16.57	4.12
5700.00	9.99	21.13	7.46	11.46	1.45	1.05	31.06	16.55	4.16
5800.00	9.97	21.18	7.29	11.17	1.44	1.06	31.08	16.61	4.18
5900.00	9.86	21.08	7.10	10.94	1.42	1.06	30.98	16.44	4.38
6000.00	9.83	21.06	6.93	10.82	1.40	1.06	31.36	16.15	4.34
6500.00	9.43	20.82	5.97	9.55	1.29	1.08	30.81	16.12	4.71
7000.00	8.98	20.83	5.31	8.53	1.24	1.09	30.56	15.76	4.97
7500.00	7.99	20.56	4.95	7.22	1.21	1.05	29.92	14.97	5.42
8000.00	6.51	21.40	4.45	5.90	1.36	1.00	27.77	14.56	6.15

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.5V, Id = 92.41mA @ Temperature = +85degC

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)
50.00	18.15	23.54	14.01	18.37	1.13	0.75	32.06	18.27	2.80
80.00	17.59	22.89	16.49	19.39	1.15	0.73	33.38	18.21	2.53
100.00	17.41	22.77	17.83	19.66	1.16	0.73	34.08	18.05	2.50
200.00	17.06	22.52	20.66	19.71	1.18	0.72	34.12	18.21	2.34
400.00	16.82	22.43	20.49	20.23	1.19	0.73	34.78	17.98	2.52
500.00	16.72	22.44	20.08	20.46	1.20	0.74	34.79	18.03	2.54
600.00	16.60	22.46	19.54	20.37	1.21	0.75	34.48	18.03	2.49
800.00	16.35	22.43	18.32	20.06	1.23	0.76	34.77	17.91	2.57
1000.00	16.05	22.45	17.19	19.74	1.25	0.78	34.59	18.09	2.55
1200.00	15.73	22.42	16.06	19.28	1.27	0.80	34.38	17.99	2.58
1400.00	15.39	22.40	15.07	18.84	1.29	0.82	34.92	18.02	2.64
1500.00	15.22	22.44	14.58	18.42	1.31	0.83	34.41	18.15	2.70
1600.00	15.03	22.39	14.20	18.37	1.31	0.84	34.52	17.99	2.72
1800.00	14.67	22.37	13.35	17.92	1.34	0.87	34.77	17.82	2.77
2000.00	14.30	22.35	12.72	17.79	1.36	0.89	34.90	18.22	2.76
2200.00	13.95	22.32	12.13	17.57	1.39	0.91	34.34	18.47	2.82
2400.00	13.61	22.30	11.60	17.35	1.41	0.93	34.53	18.22	2.92
2500.00	13.45	22.28	11.42	17.29	1.42	0.94	34.46	18.42	2.98
2600.00	13.29	22.25	11.21	17.28	1.43	0.94	34.59	18.15	3.07
2800.00	12.99	22.18	10.85	17.14	1.44	0.96	34.43	18.16	3.12
3000.00	12.68	22.11	10.56	16.90	1.46	0.97	34.37	18.21	3.18
3200.00	12.44	22.07	10.31	17.02	1.48	0.98	33.89	18.20	3.24
3400.00	12.18	22.09	10.24	17.29	1.52	0.99	34.34	18.35	3.27
3500.00	12.05	22.01	10.12	17.14	1.52	1.00	34.22	17.98	3.37
3600.00	11.95	21.85	9.94	16.87	1.50	1.00	34.11	18.19	3.33
3800.00	11.73	21.77	9.85	16.68	1.51	1.00	34.28	18.25	3.51
4000.00	11.54	21.63	9.66	16.39	1.51	1.01	34.10	18.20	3.62
4200.00	11.39	21.57	9.62	16.17	1.52	1.01	34.16	18.07	3.61
4400.00	11.28	21.51	9.51	15.68	1.52	1.01	34.38	17.93	3.66
4500.00	11.11	21.47	9.56	15.69	1.54	1.01	34.49	18.07	3.75
4600.00	11.11	21.46	9.50	15.35	1.53	1.01	34.31	18.27	3.80
4800.00	10.93	21.21	9.29	14.62	1.50	1.01	34.37	18.09	3.91
5000.00	10.77	21.10	9.10	14.10	1.50	1.01	34.48	17.57	3.93
5200.00	10.62	20.97	8.84	13.42	1.48	1.01	34.32	17.74	4.01
5400.00	10.54	20.82	8.40	12.58	1.43	1.01	34.07	17.19	4.09
5500.00	10.47	20.93	8.34	12.50	1.45	1.02	34.43	18.40	4.18
5600.00	10.59	21.18	8.30	12.48	1.46	1.02	34.58	17.75	4.31
5700.00	10.41	20.89	7.94	11.84	1.42	1.02	34.40	17.73	4.39
5800.00	10.39	20.88	7.74	11.49	1.40	1.02	34.38	17.80	4.31
5900.00	10.29	20.79	7.52	11.23	1.38	1.03	34.52	17.62	4.53
6000.00	10.26	20.79	7.35	11.11	1.37	1.03	34.20	17.20	4.47
6500.00	9.87	20.55	6.32	9.76	1.27	1.05	34.39	17.27	4.89
7000.00	9.43	20.55	5.60	8.67	1.22	1.05	34.38	16.85	5.19
7500.00	8.45	20.31	5.19	7.30	1.18	1.02	34.63	16.04	5.64
8000.00	6.98	21.02	4.65	5.95	1.31	0.97	33.66	15.88	6.36