

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 = 54.02 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	16.96	22.45	12.82	17.15	1.13	0.76	27.68	17.00	2.05
80.00	16.40	21.78	15.11	19.61	1.15	0.74	28.12	17.10	2.01
100.00	16.20	21.57	16.24	21.03	1.16	0.74	28.13	17.05	2.04
200.00	15.83	21.26	18.86	25.01	1.18	0.73	27.76	17.07	1.98
400.00	15.61	21.19	19.59	26.97	1.20	0.74	28.50	16.95	2.24
500.00	15.53	21.18	19.37	26.97	1.20	0.74	28.43	17.04	2.24
600.00	15.43	21.20	18.99	26.55	1.21	0.75	28.26	16.98	2.22
800.00	15.23	21.19	17.98	25.38	1.22	0.77	28.60	16.97	2.19
1000.00	14.98	21.22	16.88	24.06	1.24	0.79	27.80	17.03	2.20
1200.00	14.70	21.22	15.76	22.80	1.25	0.81	28.85	17.02	2.27
1400.00	14.41	21.28	14.74	21.73	1.28	0.83	28.63	17.03	2.26
1500.00	14.27	21.32	14.21	21.03	1.29	0.84	28.50	17.11	2.32
1600.00	14.09	21.35	13.84	20.86	1.30	0.86	28.83	17.03	2.36
1800.00	13.78	21.40	12.98	19.99	1.32	0.88	28.93	16.97	2.37
2000.00	13.45	21.45	12.35	19.50	1.35	0.90	28.64	17.10	2.43
2200.00	13.14	21.49	11.72	18.94	1.37	0.93	28.64	17.25	2.46
2400.00	12.84	21.53	11.22	18.36	1.40	0.95	28.87	17.18	2.55
2500.00	12.69	21.58	11.02	18.16	1.41	0.96	28.41	17.22	2.53
2600.00	12.55	21.61	10.80	17.95	1.42	0.96	28.82	17.13	2.55
2800.00	12.27	21.63	10.46	17.57	1.45	0.98	28.77	17.11	2.72
3000.00	11.99	21.64	10.19	17.10	1.47	0.99	28.66	17.11	2.70
3200.00	11.78	21.68	9.91	16.83	1.49	1.01	28.03	17.02	2.73
3400.00	11.53	21.83	9.84	16.84	1.54	1.01	28.67	17.07	2.74
3500.00	11.44	21.75	9.67	16.60	1.54	1.02	28.53	16.84	2.87
3600.00	11.34	21.67	9.49	16.37	1.53	1.02	28.88	16.96	2.77
3800.00	11.13	21.67	9.38	16.12	1.55	1.03	28.65	16.95	2.89
4000.00	10.96	21.62	9.13	15.80	1.55	1.04	29.19	16.93	2.98
4200.00	10.81	21.67	9.01	15.57	1.57	1.04	28.71	16.82	3.03
4400.00	10.70	21.66	8.81	15.13	1.57	1.05	28.51	16.69	2.96
4500.00	10.54	21.67	8.80	15.22	1.60	1.05	28.80	16.84	3.08
4600.00	10.53	21.74	8.75	14.98	1.61	1.05	28.36	16.86	3.16
4800.00	10.37	21.59	8.49	14.39	1.58	1.06	28.58	16.81	3.24
5000.00	10.21	21.62	8.39	14.15	1.60	1.06	28.36	16.50	3.27
5200.00	10.11	21.47	8.03	13.41	1.56	1.07	28.91	16.65	3.24
5400.00	10.02	21.45	7.82	12.91	1.54	1.07	29.27	16.30	3.34
5500.00	9.97	21.42	7.69	12.63	1.53	1.07	28.64	17.03	3.42
5600.00	10.12	21.86	7.78	12.77	1.58	1.08	28.52	16.57	3.44
5700.00	10.02	21.58	7.50	12.22	1.52	1.08	28.78	16.56	3.52
5800.00	9.93	21.44	7.30	11.80	1.49	1.08	28.93	16.62	3.58
5900.00	9.85	21.38	7.12	11.46	1.46	1.08	28.52	16.48	3.64
6000.00	9.82	21.35	6.99	11.41	1.46	1.08	28.97	16.24	3.63
6500.00	9.55	21.02	6.13	10.16	1.33	1.09	28.56	16.14	3.96
7000.00	9.14	21.05	5.27	8.91	1.25	1.11	28.49	15.73	4.13
7500.00	8.17	20.92	4.67	7.53	1.21	1.09	27.80	14.95	4.68
8000.00	6.85	22.09	3.99	5.98	1.29	1.05	26.33	14.22	5.26

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 = 44.98 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	16.22	21.82	11.83	14.65	1.13	0.74	25.49	16.44	2.02
80.00	15.68	21.16	13.75	17.22	1.15	0.74	25.72	16.49	2.00
100.00	15.49	20.92	14.72	18.58	1.16	0.73	25.66	16.42	2.06
200.00	15.14	20.64	16.75	22.61	1.18	0.73	25.30	16.51	1.98
400.00	14.93	20.55	17.40	25.19	1.20	0.74	25.93	16.34	2.23
500.00	14.85	20.56	17.32	25.72	1.20	0.75	25.90	16.44	2.27
600.00	14.77	20.58	17.14	26.07	1.21	0.76	25.73	16.38	2.24
800.00	14.58	20.58	16.52	25.98	1.22	0.77	26.00	16.34	2.20
1000.00	14.34	20.61	15.78	25.21	1.23	0.79	25.26	16.45	2.26
1200.00	14.09	20.62	14.91	23.91	1.25	0.82	26.24	16.42	2.30
1400.00	13.81	20.69	14.04	22.44	1.27	0.84	25.98	16.43	2.30
1500.00	13.67	20.73	13.58	21.69	1.27	0.86	25.89	16.53	2.37
1600.00	13.51	20.76	13.22	21.16	1.29	0.87	26.23	16.42	2.38
1800.00	13.21	20.84	12.45	19.90	1.31	0.89	26.26	16.32	2.36
2000.00	12.89	20.93	11.79	18.95	1.33	0.92	26.01	16.50	2.41
2200.00	12.58	21.04	11.18	18.06	1.36	0.94	26.06	16.66	2.46
2400.00	12.28	21.12	10.68	17.23	1.38	0.96	26.21	16.53	2.48
2500.00	12.14	21.15	10.46	16.95	1.39	0.97	25.88	16.57	2.57
2600.00	11.99	21.20	10.26	16.67	1.41	0.98	26.14	16.48	2.58
2800.00	11.73	21.30	9.89	16.11	1.43	1.00	26.15	16.45	2.70
3000.00	11.45	21.37	9.62	15.66	1.46	1.01	26.02	16.45	2.68
3200.00	11.25	21.46	9.32	15.27	1.48	1.02	25.53	16.32	2.72
3400.00	11.00	21.72	9.25	15.18	1.55	1.04	26.03	16.37	2.78
3500.00	10.91	21.67	9.09	15.00	1.55	1.04	25.90	16.11	2.93
3600.00	10.81	21.56	8.92	14.80	1.53	1.04	26.26	16.26	2.81
3800.00	10.61	21.64	8.79	14.61	1.56	1.05	26.01	16.21	2.85
4000.00	10.45	21.62	8.57	14.37	1.57	1.06	26.55	16.18	2.91
4200.00	10.30	21.77	8.44	14.17	1.60	1.07	26.11	16.05	3.01
4400.00	10.19	21.82	8.26	13.81	1.61	1.07	25.95	15.94	2.99
4500.00	10.04	21.86	8.25	13.93	1.64	1.08	26.28	16.07	3.07
4600.00	10.02	21.98	8.19	13.72	1.66	1.08	25.86	16.12	3.11
4800.00	9.87	21.82	7.95	13.27	1.63	1.08	26.10	16.09	3.19
5000.00	9.71	21.92	7.87	13.10	1.66	1.09	25.85	15.74	3.26
5200.00	9.61	21.78	7.53	12.47	1.61	1.09	26.40	15.90	3.30
5400.00	9.52	21.80	7.33	12.05	1.60	1.10	26.62	15.53	3.37
5500.00	9.47	21.81	7.21	11.82	1.59	1.10	26.11	16.27	3.40
5600.00	9.61	22.24	7.27	11.85	1.64	1.10	25.97	15.83	3.43
5700.00	9.51	22.03	7.01	11.40	1.59	1.10	26.22	15.75	3.44
5800.00	9.42	21.86	6.83	11.03	1.54	1.11	26.26	15.84	3.44
5900.00	9.35	21.79	6.67	10.77	1.52	1.11	25.91	15.61	3.55
6000.00	9.30	21.77	6.55	10.72	1.51	1.11	26.37	15.44	3.58
6500.00	9.03	21.41	5.74	9.67	1.37	1.13	25.90	15.22	3.94
7000.00	8.62	21.47	4.95	8.56	1.28	1.14	26.03	14.82	4.06
7500.00	7.64	21.36	4.40	7.28	1.23	1.12	25.43	13.99	4.63
8000.00	6.30	22.61	3.77	5.81	1.33	1.07	24.03	13.12	5.23

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 = 63.35 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	17.48	22.94	13.77	18.20	1.14	0.76	30.11	17.88	2.13
80.00	16.90	22.22	16.11	19.72	1.15	0.74	31.06	18.01	2.02
100.00	16.69	22.01	17.39	20.38	1.16	0.73	31.17	17.93	2.04
200.00	16.31	21.72	20.46	21.70	1.18	0.72	30.85	17.96	1.98
400.00	16.09	21.68	21.13	21.92	1.20	0.73	31.73	17.79	2.19
500.00	16.00	21.65	20.78	21.83	1.20	0.73	31.53	17.87	2.23
600.00	15.89	21.64	20.22	21.64	1.21	0.74	31.49	17.82	2.16
800.00	15.68	21.65	18.81	21.02	1.22	0.76	31.72	17.78	2.16
1000.00	15.42	21.68	17.47	20.46	1.24	0.78	31.10	17.85	2.16
1200.00	15.13	21.71	16.21	19.94	1.26	0.80	31.97	17.84	2.24
1400.00	14.82	21.72	15.11	19.48	1.28	0.82	31.99	17.85	2.29
1500.00	14.68	21.75	14.55	19.08	1.29	0.83	31.67	17.91	2.33
1600.00	14.50	21.75	14.19	19.11	1.31	0.84	32.05	17.84	2.34
1800.00	14.18	21.79	13.31	18.70	1.33	0.87	32.25	17.76	2.37
2000.00	13.85	21.80	12.67	18.71	1.36	0.89	32.06	17.96	2.38
2200.00	13.53	21.83	12.06	18.59	1.38	0.91	31.83	18.11	2.43
2400.00	13.22	21.85	11.59	18.37	1.40	0.93	32.30	18.01	2.43
2500.00	13.07	21.83	11.39	18.32	1.42	0.94	31.80	18.09	2.52
2600.00	12.93	21.84	11.19	18.30	1.43	0.95	32.10	17.99	2.57
2800.00	12.65	21.85	10.85	18.11	1.45	0.96	32.30	17.96	2.63
3000.00	12.37	21.81	10.58	17.75	1.47	0.98	31.97	17.98	2.66
3200.00	12.15	21.79	10.32	17.66	1.48	0.99	31.53	17.92	2.75
3400.00	11.90	21.92	10.28	17.85	1.54	1.00	32.00	17.97	2.70
3500.00	11.80	21.82	10.10	17.56	1.53	1.00	31.95	17.71	2.83
3600.00	11.70	21.70	9.91	17.27	1.51	1.00	32.32	17.88	2.80
3800.00	11.49	21.65	9.80	17.03	1.53	1.01	31.99	17.84	2.95
4000.00	11.32	21.55	9.55	16.71	1.53	1.02	32.50	17.83	2.94
4200.00	11.17	21.57	9.43	16.46	1.54	1.02	32.12	17.71	3.03
4400.00	11.05	21.58	9.23	15.96	1.55	1.03	31.90	17.57	3.06
4500.00	10.89	21.52	9.20	16.00	1.56	1.03	32.09	17.71	3.04
4600.00	10.87	21.61	9.17	15.75	1.57	1.03	31.82	17.76	3.13
4800.00	10.71	21.42	8.88	15.07	1.55	1.04	31.84	17.68	3.18
5000.00	10.56	21.44	8.79	14.78	1.57	1.04	31.83	17.36	3.29
5200.00	10.45	21.24	8.42	13.96	1.52	1.04	32.13	17.48	3.36
5400.00	10.37	21.20	8.18	13.41	1.50	1.05	32.73	17.12	3.40
5500.00	10.32	21.18	8.05	13.13	1.49	1.05	31.86	17.92	3.46
5600.00	10.48	21.57	8.17	13.32	1.53	1.05	31.82	17.50	3.54
5700.00	10.37	21.33	7.86	12.72	1.48	1.05	32.14	17.46	3.64
5800.00	10.28	21.18	7.65	12.24	1.45	1.05	32.15	17.53	3.63
5900.00	10.21	21.10	7.46	11.90	1.43	1.06	31.84	17.40	3.68
6000.00	10.17	21.08	7.33	11.81	1.42	1.06	32.33	17.13	3.65
6500.00	9.91	20.74	6.41	10.44	1.31	1.07	31.94	17.07	4.04
7000.00	9.51	20.79	5.51	9.09	1.24	1.08	31.67	16.61	4.19
7500.00	8.55	20.67	4.88	7.66	1.20	1.06	30.66	15.76	4.80
8000.00	7.23	21.81	4.15	6.05	1.27	1.03	29.01	15.37	5.36

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 = 51.94 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	16.64	22.22	13.46	17.18	1.14	0.76	25.87	16.45	1.62
80.00	16.03	21.38	15.60	19.16	1.15	0.74	26.33	16.56	1.57
100.00	15.80	21.16	16.79	20.31	1.16	0.73	26.32	16.48	1.66
200.00	15.39	20.80	20.24	23.92	1.18	0.72	25.92	16.46	1.57
400.00	15.16	20.71	21.87	23.68	1.20	0.73	26.75	16.27	1.87
500.00	15.08	20.73	21.54	23.25	1.20	0.73	26.74	16.30	1.88
600.00	15.00	20.71	20.84	23.23	1.21	0.74	26.59	16.28	1.85
800.00	14.82	20.73	19.30	23.25	1.22	0.75	26.77	16.26	1.80
1000.00	14.61	20.74	18.03	22.82	1.23	0.77	26.02	16.29	1.87
1200.00	14.38	20.78	16.88	21.56	1.25	0.79	27.08	16.37	1.89
1400.00	14.12	20.83	15.52	20.49	1.27	0.81	26.87	16.32	1.91
1500.00	13.99	20.86	14.89	19.90	1.28	0.82	26.81	16.37	1.93
1600.00	13.84	20.87	14.49	19.96	1.29	0.83	27.18	16.36	1.98
1800.00	13.57	20.89	13.60	19.68	1.31	0.85	27.11	16.30	1.93
2000.00	13.28	21.01	12.91	19.57	1.34	0.88	26.86	16.41	1.91
2200.00	13.00	21.05	12.16	19.36	1.36	0.90	27.06	16.52	1.96
2400.00	12.73	21.10	11.73	18.93	1.38	0.92	27.20	16.47	1.98
2500.00	12.60	21.11	11.51	18.90	1.39	0.93	26.74	16.51	2.04
2600.00	12.47	21.16	11.34	18.90	1.40	0.94	27.01	16.45	2.09
2800.00	12.23	21.20	11.09	18.72	1.43	0.96	27.07	16.40	2.21
3000.00	11.99	21.22	10.84	18.40	1.45	0.97	26.82	16.41	2.05
3200.00	11.81	21.24	10.56	18.25	1.47	0.98	26.37	16.36	2.16
3400.00	11.56	21.43	10.50	18.34	1.53	0.99	26.99	16.41	2.17
3500.00	11.47	21.37	10.31	17.91	1.52	0.99	26.71	16.17	2.31
3600.00	11.40	21.27	10.06	17.41	1.50	1.00	27.19	16.33	2.27
3800.00	11.21	21.33	9.91	17.32	1.53	1.01	26.85	16.25	2.27
4000.00	11.06	21.25	9.67	17.17	1.53	1.02	27.47	16.24	2.40
4200.00	10.92	21.39	9.51	17.02	1.56	1.02	27.01	16.17	2.42
4400.00	10.79	21.41	9.23	16.26	1.56	1.03	26.76	16.03	2.40
4500.00	10.64	21.37	9.07	16.23	1.58	1.04	27.15	16.14	2.42
4600.00	10.62	21.49	8.96	16.12	1.59	1.04	26.71	16.20	2.54
4800.00	10.46	21.36	8.55	15.52	1.56	1.05	27.00	16.11	2.58
5000.00	10.30	21.45	8.42	15.27	1.59	1.06	26.54	15.89	2.59
5200.00	10.17	21.48	8.19	14.60	1.59	1.06	27.34	15.94	2.67
5400.00	10.18	21.38	8.02	13.74	1.54	1.07	27.29	15.66	2.70
5500.00	10.11	21.36	7.94	13.59	1.54	1.07	27.33	16.31	2.78
5600.00	10.23	21.71	8.09	14.02	1.60	1.07	26.97	15.97	2.80
5700.00	10.20	21.60	7.80	13.24	1.54	1.07	27.11	15.96	2.75
5800.00	10.12	21.38	7.73	12.78	1.51	1.07	27.31	15.97	2.68
5900.00	10.09	21.29	7.73	12.53	1.50	1.06	26.85	15.89	2.82
6000.00	10.08	21.22	7.61	12.28	1.48	1.06	27.24	15.66	2.85
6500.00	9.96	20.92	6.85	11.00	1.37	1.07	26.97	15.54	3.12
7000.00	9.57	21.07	5.51	9.46	1.27	1.10	26.95	15.13	3.26
7500.00	8.70	21.06	4.48	8.10	1.18	1.12	26.24	14.45	3.78
8000.00	7.50	22.08	3.86	6.51	1.24	1.09	25.35	13.88	4.26

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 = 43.03 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	15.85	21.48	12.38	14.83	1.14	0.74	24.11	16.07	1.57
80.00	15.27	20.72	14.32	17.20	1.15	0.74	24.32	16.10	1.60
100.00	15.05	20.47	15.33	18.53	1.16	0.73	24.30	16.01	1.68
200.00	14.65	20.14	17.94	22.93	1.19	0.73	23.96	16.02	1.65
400.00	14.45	20.02	19.72	28.57	1.20	0.73	24.65	15.78	1.95
500.00	14.37	20.03	19.61	28.56	1.20	0.74	24.60	15.85	1.93
600.00	14.30	20.03	19.21	28.37	1.21	0.75	24.44	15.80	1.90
800.00	14.13	20.03	18.03	27.87	1.22	0.76	24.64	15.76	1.94
1000.00	13.94	20.07	17.12	27.22	1.23	0.78	23.98	15.87	1.91
1200.00	13.73	20.10	16.28	25.46	1.25	0.80	24.85	15.83	1.94
1400.00	13.49	20.17	15.10	23.74	1.26	0.82	24.71	15.83	1.92
1500.00	13.37	20.18	14.54	22.56	1.27	0.83	24.60	15.88	2.00
1600.00	13.22	20.25	14.11	22.08	1.28	0.85	24.90	15.82	1.99
1800.00	12.97	20.29	13.21	21.08	1.30	0.87	24.96	15.74	2.01
2000.00	12.68	20.44	12.50	20.26	1.33	0.90	24.76	15.89	2.02
2200.00	12.41	20.51	11.76	19.50	1.34	0.92	24.85	16.05	2.05
2400.00	12.14	20.62	11.26	18.48	1.37	0.94	24.98	15.89	2.07
2500.00	12.02	20.68	11.01	18.14	1.38	0.95	24.63	15.99	2.06
2600.00	11.89	20.76	10.82	17.89	1.40	0.96	24.85	15.89	2.10
2800.00	11.65	20.84	10.53	17.34	1.42	0.98	24.90	15.83	2.25
3000.00	11.42	20.90	10.27	16.95	1.45	0.99	24.77	15.84	2.28
3200.00	11.25	21.01	9.97	16.58	1.47	1.00	24.39	15.78	2.14
3400.00	11.01	21.23	9.90	16.59	1.53	1.01	24.87	15.77	2.17
3500.00	10.93	21.20	9.71	16.24	1.53	1.02	24.71	15.58	2.32
3600.00	10.86	21.12	9.47	15.80	1.51	1.02	25.01	15.64	2.18
3800.00	10.67	21.21	9.31	15.68	1.54	1.03	24.84	15.61	2.33
4000.00	10.53	21.19	9.09	15.57	1.54	1.04	25.33	15.60	2.36
4200.00	10.39	21.40	8.92	15.50	1.58	1.05	24.92	15.48	2.38
4400.00	10.27	21.53	8.66	14.91	1.60	1.06	24.80	15.40	2.40
4500.00	10.12	21.51	8.53	14.96	1.62	1.07	25.11	15.49	2.38
4600.00	10.10	21.67	8.40	14.83	1.63	1.07	24.81	15.62	2.58
4800.00	9.95	21.61	8.03	14.39	1.62	1.08	25.03	15.51	2.53
5000.00	9.79	21.74	7.91	14.20	1.65	1.09	24.71	15.24	2.55
5200.00	9.65	21.79	7.69	13.59	1.65	1.10	25.27	15.28	2.66
5400.00	9.66	21.79	7.49	12.78	1.61	1.10	25.27	14.93	2.66
5500.00	9.59	21.76	7.43	12.66	1.61	1.10	25.22	15.71	2.68
5600.00	9.70	22.14	7.54	12.96	1.67	1.10	24.86	15.29	2.59
5700.00	9.66	22.04	7.24	12.24	1.61	1.11	25.05	15.21	2.74
5800.00	9.59	21.80	7.22	11.93	1.57	1.10	25.11	15.28	2.78
5900.00	9.57	21.74	7.21	11.72	1.56	1.10	24.75	15.18	2.84
6000.00	9.55	21.69	7.10	11.50	1.54	1.10	25.08	14.87	2.78
6500.00	9.43	21.42	6.39	10.43	1.42	1.10	24.83	14.77	3.04
7000.00	9.04	21.55	5.16	9.14	1.31	1.14	24.85	14.30	3.15
7500.00	8.16	21.59	4.19	7.88	1.21	1.16	24.32	13.53	3.75
8000.00	6.93	22.62	3.61	6.34	1.27	1.12	23.53	12.95	4.24

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 = 62.9 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	17.23	22.73	14.36	18.13	1.14	0.76	28.19	17.41	1.69
80.00	16.60	21.92	16.60	18.73	1.14	0.73	29.29	17.56	1.57
100.00	16.36	21.71	17.88	19.09	1.16	0.73	29.59	17.52	1.67
200.00	15.93	21.34	21.76	20.16	1.18	0.72	29.52	17.41	1.65
400.00	15.69	21.27	22.57	18.91	1.20	0.72	30.45	17.29	1.84
500.00	15.60	21.26	22.06	18.73	1.20	0.72	30.40	17.38	1.90
600.00	15.51	21.25	21.25	18.76	1.21	0.73	30.38	17.31	1.85
800.00	15.33	21.27	19.63	18.90	1.22	0.74	30.61	17.33	1.87
1000.00	15.11	21.29	18.29	18.79	1.24	0.76	29.86	17.30	1.83
1200.00	14.86	21.31	16.98	18.14	1.26	0.77	30.90	17.39	1.85
1400.00	14.58	21.35	15.58	17.61	1.28	0.79	30.77	17.38	1.88
1500.00	14.45	21.37	14.95	17.31	1.29	0.80	30.65	17.41	1.93
1600.00	14.30	21.39	14.59	17.53	1.30	0.82	31.02	17.40	1.95
1800.00	14.02	21.38	13.76	17.63	1.32	0.84	30.99	17.37	1.96
2000.00	13.72	21.38	13.12	17.86	1.34	0.86	30.78	17.44	1.95
2200.00	13.43	21.44	12.43	18.03	1.36	0.88	30.83	17.52	1.95
2400.00	13.16	21.45	12.02	18.13	1.38	0.90	31.15	17.49	2.00
2500.00	13.03	21.44	11.82	18.31	1.39	0.91	30.57	17.50	2.05
2600.00	12.89	21.43	11.69	18.54	1.40	0.92	30.93	17.51	2.12
2800.00	12.65	21.44	11.48	18.81	1.43	0.94	30.96	17.46	2.22
3000.00	12.41	21.41	11.23	18.69	1.45	0.95	30.81	17.47	2.14
3200.00	12.22	21.40	11.00	18.89	1.46	0.96	30.23	17.41	2.19
3400.00	11.96	21.54	10.97	19.09	1.51	0.97	30.91	17.42	2.19
3500.00	11.88	21.49	10.78	18.69	1.51	0.97	30.74	17.22	2.31
3600.00	11.80	21.31	10.50	18.15	1.48	0.98	31.04	17.36	2.21
3800.00	11.61	21.34	10.37	18.15	1.51	0.99	30.87	17.29	2.32
4000.00	11.45	21.24	10.13	18.04	1.51	0.99	31.36	17.32	2.34
4200.00	11.30	21.27	9.95	17.84	1.53	1.00	30.83	17.22	2.38
4400.00	11.18	21.28	9.66	17.02	1.53	1.01	30.64	17.06	2.41
4500.00	11.02	21.24	9.50	16.92	1.54	1.01	30.98	17.15	2.49
4600.00	10.99	21.33	9.39	16.84	1.55	1.02	30.54	17.22	2.60
4800.00	10.84	21.20	8.96	16.14	1.53	1.02	30.84	17.15	2.58
5000.00	10.68	21.18	8.82	15.76	1.54	1.03	30.32	16.90	2.66
5200.00	10.54	21.17	8.59	15.04	1.53	1.03	31.11	16.94	2.65
5400.00	10.56	21.11	8.44	14.35	1.50	1.04	31.09	16.65	2.74
5500.00	10.49	21.05	8.36	14.11	1.49	1.04	31.16	17.30	2.76
5600.00	10.62	21.40	8.55	14.68	1.54	1.04	30.78	16.96	2.81
5700.00	10.59	21.26	8.24	13.87	1.49	1.04	30.88	16.90	2.85
5800.00	10.52	21.04	8.18	13.34	1.46	1.04	31.05	17.00	2.85
5900.00	10.48	20.94	8.17	13.03	1.45	1.03	30.68	16.94	2.86
6000.00	10.46	20.90	8.04	12.74	1.43	1.03	31.05	16.68	2.89
6500.00	10.35	20.55	7.22	11.32	1.33	1.03	30.67	16.63	3.14
7000.00	9.97	20.75	5.79	9.60	1.25	1.06	30.36	16.21	3.35
7500.00	9.11	20.69	4.71	8.18	1.16	1.08	29.53	15.47	3.88
8000.00	7.92	21.67	4.02	6.57	1.22	1.06	28.52	15.15	4.45

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 = 55.89 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	17.19	22.79	12.21	16.56	1.14	0.76	28.60	17.13	2.53
80.00	16.67	22.06	14.40	19.47	1.15	0.74	29.10	17.19	2.40
100.00	16.49	21.89	15.45	21.11	1.16	0.74	29.19	17.12	2.39
200.00	16.16	21.61	17.58	25.78	1.18	0.73	28.98	17.21	2.32
400.00	15.94	21.56	17.50	27.56	1.19	0.75	29.64	17.07	2.47
500.00	15.84	21.57	17.30	28.00	1.20	0.75	29.49	17.14	2.50
600.00	15.74	21.56	17.06	27.94	1.21	0.76	29.36	17.11	2.49
800.00	15.51	21.53	16.34	26.66	1.22	0.78	29.72	17.07	2.46
1000.00	15.23	21.59	15.60	25.22	1.24	0.80	28.92	17.16	2.54
1200.00	14.93	21.58	14.76	23.74	1.26	0.82	29.94	17.14	2.60
1400.00	14.61	21.60	13.98	22.23	1.28	0.85	29.76	17.15	2.56
1500.00	14.45	21.63	13.59	21.45	1.29	0.86	29.60	17.25	2.64
1600.00	14.27	21.65	13.24	20.96	1.30	0.87	29.92	17.16	2.67
1800.00	13.92	21.72	12.49	19.77	1.33	0.90	30.09	17.05	2.76
2000.00	13.57	21.76	11.88	18.92	1.35	0.92	29.82	17.29	2.73
2200.00	13.22	21.81	11.28	18.07	1.38	0.94	29.78	17.43	2.86
2400.00	12.89	21.86	10.77	17.31	1.40	0.96	30.03	17.30	2.85
2500.00	12.73	21.88	10.56	17.08	1.42	0.97	29.74	17.38	2.92
2600.00	12.57	21.92	10.34	16.80	1.43	0.98	29.98	17.26	2.97
2800.00	12.27	21.92	9.98	16.30	1.45	1.00	30.01	17.22	3.15
3000.00	11.97	21.95	9.67	15.88	1.48	1.01	29.80	17.23	3.04
3200.00	11.73	21.96	9.39	15.66	1.50	1.02	29.25	17.16	3.20
3400.00	11.48	22.10	9.28	15.62	1.55	1.03	29.69	17.22	3.18
3500.00	11.36	22.04	9.17	15.52	1.55	1.04	29.73	16.96	3.29
3600.00	11.25	21.91	9.01	15.30	1.53	1.04	30.04	17.14	3.27
3800.00	11.04	21.92	8.92	15.11	1.56	1.05	29.75	17.10	3.32
4000.00	10.86	21.87	8.74	14.88	1.56	1.05	30.29	17.06	3.48
4200.00	10.71	21.90	8.68	14.62	1.58	1.06	29.83	16.98	3.47
4400.00	10.60	21.86	8.56	14.21	1.58	1.06	29.78	16.82	3.53
4500.00	10.44	21.86	8.60	14.34	1.61	1.06	29.96	17.00	3.60
4600.00	10.44	21.88	8.54	14.00	1.61	1.06	29.50	17.03	3.59
4800.00	10.27	21.65	8.38	13.49	1.58	1.06	29.73	16.97	3.65
5000.00	10.11	21.64	8.23	13.15	1.59	1.06	29.69	16.63	3.77
5200.00	9.97	21.50	8.00	12.61	1.56	1.06	30.02	16.77	3.88
5400.00	9.87	21.36	7.59	11.87	1.51	1.07	30.45	16.42	3.97
5500.00	9.81	21.46	7.53	11.81	1.53	1.07	29.61	17.12	4.07
5600.00	9.91	21.74	7.45	11.69	1.54	1.07	29.60	16.70	4.00
5700.00	9.75	21.45	7.17	11.21	1.49	1.08	29.74	16.69	4.17
5800.00	9.71	21.48	6.96	10.84	1.46	1.08	29.86	16.75	4.13
5900.00	9.61	21.39	6.77	10.62	1.44	1.08	29.53	16.54	4.32
6000.00	9.57	21.40	6.61	10.52	1.43	1.09	29.93	16.34	4.37
6500.00	9.15	21.15	5.67	9.34	1.31	1.11	29.27	16.17	4.76
7000.00	8.70	21.11	5.05	8.40	1.25	1.11	29.17	15.81	4.93
7500.00	7.72	20.92	4.69	7.09	1.21	1.08	28.55	15.04	5.37
8000.00	6.22	21.67	4.27	5.81	1.36	1.02	26.69	14.17	6.07

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 = 47.03 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	16.60	22.10	11.39	14.73	1.12	0.74	26.77	16.42	2.49
80.00	16.10	21.59	13.34	17.41	1.15	0.74	27.03	16.53	2.34
100.00	15.93	21.40	14.22	18.88	1.16	0.74	27.03	16.45	2.36
200.00	15.62	21.13	16.04	23.05	1.18	0.74	26.78	16.54	2.28
400.00	15.40	21.07	16.02	23.95	1.19	0.75	27.36	16.40	2.49
500.00	15.31	21.10	15.86	24.00	1.20	0.76	27.29	16.51	2.54
600.00	15.21	21.08	15.70	24.24	1.21	0.77	27.13	16.48	2.52
800.00	14.99	21.07	15.22	24.09	1.22	0.78	27.41	16.43	2.55
1000.00	14.73	21.11	14.65	23.46	1.23	0.81	26.60	16.54	2.53
1200.00	14.45	21.12	14.00	22.66	1.25	0.83	27.64	16.52	2.65
1400.00	14.13	21.16	13.31	21.45	1.27	0.86	27.41	16.53	2.59
1500.00	13.98	21.19	12.99	20.85	1.28	0.87	27.30	16.62	2.64
1600.00	13.81	21.23	12.66	20.30	1.29	0.88	27.60	16.54	2.70
1800.00	13.47	21.29	11.98	19.15	1.31	0.91	27.79	16.45	2.70
2000.00	13.12	21.37	11.39	18.17	1.34	0.93	27.46	16.63	2.75
2200.00	12.78	21.47	10.81	17.22	1.37	0.96	27.46	16.79	2.81
2400.00	12.46	21.52	10.32	16.39	1.39	0.98	27.67	16.65	2.87
2500.00	12.29	21.61	10.12	16.11	1.41	0.99	27.35	16.66	2.92
2600.00	12.14	21.61	9.89	15.77	1.42	1.00	27.61	16.60	3.01
2800.00	11.84	21.68	9.53	15.26	1.44	1.01	27.55	16.54	3.11
3000.00	11.55	21.72	9.23	14.81	1.47	1.03	27.45	16.50	3.06
3200.00	11.30	21.82	8.95	14.53	1.49	1.04	26.87	16.39	3.10
3400.00	11.06	22.03	8.83	14.41	1.55	1.05	27.35	16.48	3.21
3500.00	10.94	22.00	8.72	14.35	1.56	1.05	27.28	16.23	3.28
3600.00	10.84	21.88	8.57	14.17	1.54	1.06	27.62	16.37	3.26
3800.00	10.63	21.96	8.47	14.00	1.58	1.06	27.42	16.35	3.42
4000.00	10.45	21.90	8.29	13.80	1.58	1.07	27.87	16.34	3.44
4200.00	10.31	21.99	8.23	13.58	1.61	1.07	27.57	16.19	3.48
4400.00	10.20	22.04	8.12	13.24	1.62	1.08	27.30	16.05	3.44
4500.00	10.04	22.02	8.17	13.38	1.65	1.08	27.65	16.23	3.52
4600.00	10.04	22.08	8.10	13.08	1.65	1.08	27.20	16.25	3.60
4800.00	9.87	21.87	7.95	12.68	1.62	1.08	27.42	16.20	3.66
5000.00	9.71	21.86	7.81	12.40	1.63	1.08	27.32	15.86	3.68
5200.00	9.57	21.73	7.61	11.95	1.60	1.08	27.70	16.01	3.82
5400.00	9.48	21.62	7.23	11.30	1.55	1.09	28.05	15.67	3.97
5500.00	9.41	21.75	7.16	11.24	1.57	1.09	27.22	16.28	4.01
5600.00	9.51	22.05	7.08	11.09	1.59	1.09	27.28	15.89	4.02
5700.00	9.34	21.78	6.81	10.68	1.53	1.10	27.45	15.86	4.14
5800.00	9.30	21.79	6.61	10.35	1.50	1.10	27.50	15.87	4.14
5900.00	9.20	21.70	6.44	10.16	1.48	1.10	27.16	15.65	4.20
6000.00	9.16	21.71	6.29	10.05	1.47	1.11	27.69	15.51	4.29
6500.00	8.73	21.46	5.40	8.98	1.34	1.13	26.94	15.27	4.66
7000.00	8.28	21.41	4.81	8.13	1.27	1.13	26.99	14.92	4.87
7500.00	7.30	21.21	4.48	6.90	1.23	1.10	26.46	14.16	5.32
8000.00	5.78	22.04	4.10	5.67	1.40	1.03	24.61	13.02	5.95

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 = 66.68 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	17.64	22.81	13.03	17.68	1.11	0.74	30.20	17.81	2.65
80.00	17.10	22.42	15.28	20.18	1.15	0.74	31.12	17.84	2.44
100.00	16.91	22.27	16.44	21.45	1.16	0.74	31.31	17.72	2.43
200.00	16.58	21.99	18.88	23.70	1.18	0.73	31.28	17.82	2.18
400.00	16.34	21.92	18.76	24.87	1.19	0.74	31.94	17.68	2.45
500.00	16.24	21.93	18.49	25.25	1.20	0.75	31.79	17.71	2.52
600.00	16.14	21.95	18.12	25.06	1.21	0.76	31.83	17.70	2.47
800.00	15.89	21.92	17.20	24.21	1.22	0.77	32.09	17.62	2.46
1000.00	15.61	21.95	16.31	23.30	1.24	0.79	31.50	17.74	2.58
1200.00	15.30	21.96	15.33	22.30	1.26	0.82	32.26	17.69	2.56
1400.00	14.97	21.98	14.45	21.28	1.28	0.84	32.23	17.71	2.56
1500.00	14.81	22.01	14.01	20.56	1.30	0.85	31.98	17.84	2.64
1600.00	14.62	22.02	13.65	20.30	1.31	0.86	32.28	17.71	2.66
1800.00	14.27	22.02	12.86	19.39	1.33	0.89	32.51	17.60	2.71
2000.00	13.90	22.07	12.24	18.85	1.36	0.91	32.52	17.88	2.77
2200.00	13.56	22.07	11.63	18.24	1.39	0.93	32.19	18.08	2.82
2400.00	13.22	22.08	11.11	17.67	1.41	0.95	32.44	17.91	2.87
2500.00	13.06	22.10	10.93	17.50	1.42	0.96	32.18	18.04	2.91
2600.00	12.90	22.11	10.68	17.29	1.43	0.97	32.47	17.86	2.94
2800.00	12.60	22.11	10.33	16.91	1.46	0.98	32.49	17.84	3.11
3000.00	12.30	22.05	10.02	16.52	1.47	1.00	32.34	17.85	3.11
3200.00	12.05	22.06	9.75	16.42	1.50	1.01	31.69	17.81	3.16
3400.00	11.79	22.16	9.65	16.47	1.54	1.02	32.35	17.92	3.16
3500.00	11.67	22.08	9.54	16.36	1.54	1.02	32.28	17.61	3.31
3600.00	11.57	21.96	9.37	16.13	1.53	1.03	32.45	17.80	3.30
3800.00	11.35	21.90	9.27	15.91	1.54	1.03	32.37	17.80	3.41
4000.00	11.17	21.79	9.08	15.62	1.54	1.04	32.59	17.77	3.43
4200.00	11.02	21.81	9.03	15.38	1.56	1.04	32.28	17.66	3.50
4400.00	10.91	21.75	8.92	14.91	1.56	1.04	32.28	17.53	3.52
4500.00	10.75	21.73	8.95	15.01	1.58	1.04	32.50	17.71	3.57
4600.00	10.75	21.74	8.89	14.65	1.57	1.04	32.09	17.79	3.69
4800.00	10.57	21.51	8.73	14.05	1.55	1.04	32.31	17.72	3.70
5000.00	10.41	21.46	8.58	13.66	1.55	1.04	32.21	17.32	3.83
5200.00	10.28	21.31	8.33	13.05	1.53	1.04	32.43	17.48	3.86
5400.00	10.17	21.17	7.90	12.25	1.48	1.05	32.72	17.04	3.97
5500.00	10.11	21.23	7.83	12.17	1.49	1.05	32.10	17.93	4.08
5600.00	10.22	21.50	7.76	12.08	1.50	1.06	32.14	17.44	4.11
5700.00	10.06	21.27	7.46	11.56	1.46	1.06	32.28	17.43	4.23
5800.00	10.01	21.23	7.23	11.17	1.43	1.06	32.19	17.50	4.26
5900.00	9.92	21.14	7.03	10.92	1.41	1.06	32.10	17.31	4.36
6000.00	9.88	21.15	6.87	10.81	1.40	1.07	32.46	17.03	4.32
6500.00	9.47	20.88	5.88	9.56	1.29	1.09	31.71	16.94	4.79
7000.00	9.03	20.88	5.23	8.56	1.23	1.09	31.49	16.57	4.99
7500.00	8.05	20.75	4.84	7.20	1.20	1.06	30.70	15.76	5.46
8000.00	6.55	21.38	4.41	5.87	1.33	1.00	28.88	15.17	6.18