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 = 5V, Id = 71.91 mA @ Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10.00	24.51	27.33	8.75	8.60	0.89	0.43	--	18.34	3.04
50.00	21.91	24.71	15.36	16.95	0.99	0.52	34.65	19.28	3.68
100.00	21.52	24.48	16.96	21.46	1.03	0.52	34.64	19.40	3.69
200.00	21.40	24.37	17.64	24.06	1.04	0.51	34.90	19.17	3.61
300.00	21.35	24.35	17.79	24.06	1.05	0.51	35.72	19.11	3.83
400.00	21.33	24.30	17.86	23.30	1.05	0.50	35.09	19.32	3.81
500.00	21.28	24.26	17.98	22.93	1.05	0.49	34.72	19.35	3.89
600.00	21.28	24.24	17.86	21.84	1.05	0.49	35.41	19.38	3.84
700.00	21.25	24.21	17.87	20.94	1.05	0.49	36.20	19.42	3.84
800.00	21.20	24.16	17.99	20.26	1.04	0.49	35.42	19.42	3.79
900.00	21.19	24.15	18.25	19.23	1.04	0.50	35.08	19.28	3.83
1000.00	21.16	24.08	18.42	18.41	1.03	0.50	34.39	19.33	3.78
1250.00	21.07	23.93	19.00	16.70	1.01	0.50	34.91	19.53	3.82
1500.00	20.94	23.76	20.36	15.55	1.02	0.48	34.04	19.50	3.75
1750.00	20.76	23.60	22.28	14.76	1.02	0.46	33.01	19.21	3.81
2000.00	20.50	23.48	24.39	14.27	1.03	0.46	32.49	18.82	3.73
2250.00	20.23	23.31	25.45	14.00	1.04	0.46	31.90	18.35	3.80
2500.00	19.93	23.22	24.01	14.18	1.05	0.49	30.96	17.92	3.78
2750.00	19.59	23.12	21.24	14.32	1.06	0.51	30.39	17.20	3.84
3000.00	19.24	23.06	19.20	14.62	1.08	0.54	29.86	16.82	3.76
3250.00	18.88	22.95	17.76	14.87	1.09	0.57	29.25	16.40	3.98
3500.00	18.51	22.89	16.55	15.13	1.10	0.62	28.87	15.74	3.90
3750.00	18.13	22.91	15.49	15.27	1.10	0.67	28.36	15.28	3.95
4000.00	17.71	22.92	14.70	15.32	1.10	0.73	28.15	14.94	4.09
4250.00	17.29	22.92	14.01	15.20	1.12	0.77	27.95	14.39	4.15
4500.00	16.89	22.95	13.48	15.04	1.15	0.79	27.47	14.09	4.23
4750.00	16.48	22.97	13.18	14.93	1.20	0.80	27.46	13.76	4.24
5000.00	16.08	22.92	12.76	14.69	1.25	0.79	27.03	13.30	4.29
5250.00	15.70	22.93	12.37	14.44	1.30	0.79	26.44	12.75	4.38
5500.00	15.32	22.89	12.17	14.29	1.33	0.81	26.23	12.64	4.52
5750.00	14.92	22.93	11.94	14.27	1.34	0.86	26.19	12.29	4.57
6000.00	14.50	22.93	11.82	14.42	1.35	0.91	25.91	11.96	4.60
6250.00	14.01	22.96	11.49	14.49	1.38	0.94	25.59	11.56	4.74
6500.00	13.49	23.02	11.05	14.65	1.47	0.95	25.21	11.11	4.88
6750.00	12.82	23.21	10.49	14.93	1.63	0.95	24.77	10.53	5.03
7000.00	12.19	23.16	9.60	14.75	1.72	0.96	24.04	10.14	5.20

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 = 4.8V, Id =63.68 mA @ Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10.00	24.41	27.73	8.79	9.02	0.89	0.54	--	17.46	2.96
50.00	21.81	24.51	15.58	16.70	0.99	0.50	33.17	18.10	3.59
100.00	21.42	24.29	17.53	20.90	1.03	0.51	33.43	18.30	3.60
200.00	21.30	24.25	18.32	23.26	1.04	0.51	33.56	17.95	3.58
300.00	21.25	24.25	18.54	23.42	1.05	0.50	33.28	17.92	3.70
400.00	21.23	24.18	18.56	22.75	1.05	0.49	34.07	18.20	3.73
500.00	21.19	24.18	18.72	22.45	1.06	0.49	33.55	18.20	3.81
600.00	21.18	24.16	18.58	21.50	1.05	0.49	33.99	18.24	3.70
700.00	21.16	24.16	18.58	20.66	1.05	0.49	34.44	18.35	3.73
800.00	21.11	24.13	18.69	19.99	1.05	0.50	33.97	18.32	3.68
900.00	21.10	24.06	18.99	19.00	1.04	0.50	33.41	18.11	3.75
1000.00	21.08	23.96	19.13	18.19	1.03	0.49	33.08	18.15	3.74
1250.00	20.98	23.81	19.74	16.55	1.02	0.49	33.67	18.52	3.73
1500.00	20.85	23.67	21.16	15.40	1.02	0.47	32.94	18.57	3.65
1750.00	20.67	23.48	23.19	14.59	1.02	0.45	32.35	18.37	3.71
2000.00	20.41	23.40	25.04	14.09	1.03	0.46	31.54	18.12	3.66
2250.00	20.14	23.27	25.39	13.78	1.04	0.47	31.06	17.74	3.68
2500.00	19.84	23.14	23.41	13.93	1.05	0.49	30.35	17.41	3.70
2750.00	19.50	23.06	20.72	14.01	1.06	0.51	30.04	16.76	3.73
3000.00	19.15	22.98	18.81	14.27	1.08	0.53	29.45	16.41	3.65
3250.00	18.79	22.94	17.48	14.47	1.09	0.57	28.82	16.03	3.87
3500.00	18.42	22.84	16.35	14.67	1.10	0.61	28.52	15.39	3.76
3750.00	18.04	22.86	15.33	14.78	1.10	0.67	28.01	14.96	3.87
4000.00	17.62	22.86	14.57	14.80	1.10	0.73	27.85	14.62	3.98
4250.00	17.20	22.85	13.93	14.68	1.11	0.77	27.61	14.08	3.99
4500.00	16.81	22.88	13.40	14.55	1.14	0.79	27.26	13.79	4.09
4750.00	16.40	22.86	13.12	14.46	1.20	0.79	27.15	13.49	4.09
5000.00	16.00	22.78	12.73	14.21	1.25	0.78	26.75	13.02	4.16
5250.00	15.63	22.84	12.36	14.00	1.30	0.79	26.19	12.45	4.28
5500.00	15.25	22.83	12.14	13.86	1.33	0.81	25.93	12.36	4.39
5750.00	14.86	22.88	11.94	13.85	1.34	0.85	25.94	12.02	4.39
6000.00	14.44	22.83	11.83	13.98	1.34	0.90	25.66	11.66	4.43
6250.00	13.95	22.85	11.51	14.04	1.37	0.94	25.28	11.27	4.63
6500.00	13.43	22.95	11.08	14.20	1.47	0.94	24.83	10.83	4.76
6750.00	12.76	23.13	10.52	14.48	1.62	0.94	24.40	10.23	4.86
7000.00	12.13	23.06	9.63	14.33	1.71	0.95	23.66	9.87	4.97

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 = 5.2V, Id = 80.57 mA @ Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10.00	24.59	28.18	8.60	8.85	0.91	0.54	--	19.12	3.14
50.00	21.99	24.89	15.13	17.20	1.00	0.53	35.78	20.24	3.77
100.00	21.59	24.53	16.55	21.82	1.03	0.52	36.47	20.31	3.78
200.00	21.47	24.42	17.15	24.58	1.04	0.51	37.79	20.18	3.73
300.00	21.42	24.36	17.26	24.52	1.05	0.50	37.99	20.10	3.88
400.00	21.40	24.37	17.35	23.66	1.05	0.50	37.09	20.27	3.93
500.00	21.35	24.36	17.48	23.25	1.05	0.50	37.12	20.33	3.97
600.00	21.35	24.37	17.36	22.15	1.05	0.50	37.44	20.31	3.93
700.00	21.32	24.33	17.36	21.18	1.05	0.50	37.29	20.34	3.92
800.00	21.27	24.29	17.49	20.49	1.04	0.51	37.00	20.33	3.84
900.00	21.26	24.23	17.73	19.45	1.04	0.51	36.67	20.25	3.93
1000.00	21.23	24.15	17.90	18.59	1.03	0.50	35.60	20.31	3.90
1250.00	21.14	23.99	18.48	16.86	1.01	0.50	35.45	20.40	3.92
1500.00	21.01	23.87	19.79	15.68	1.02	0.48	34.69	20.25	3.82
1750.00	20.83	23.69	21.72	14.90	1.03	0.46	33.80	19.88	3.88
2000.00	20.57	23.52	23.82	14.45	1.03	0.46	32.84	19.38	3.84
2250.00	20.30	23.37	25.32	14.21	1.04	0.46	32.03	18.82	3.90
2500.00	20.00	23.25	24.36	14.45	1.05	0.48	31.20	18.32	3.89
2750.00	19.66	23.20	21.52	14.64	1.07	0.51	30.76	17.55	3.96
3000.00	19.31	23.09	19.43	15.00	1.08	0.54	30.06	17.12	3.84
3250.00	18.95	22.96	17.94	15.31	1.09	0.57	29.40	16.69	4.10
3500.00	18.58	22.97	16.68	15.63	1.10	0.62	29.12	16.00	4.01
3750.00	18.20	22.95	15.59	15.83	1.10	0.68	28.56	15.53	4.09
4000.00	17.78	22.97	14.76	15.89	1.11	0.73	28.30	15.17	4.19
4250.00	17.36	22.99	14.05	15.76	1.12	0.77	28.03	14.58	4.24
4500.00	16.96	23.04	13.50	15.61	1.16	0.80	27.71	14.30	4.37
4750.00	16.54	23.00	13.18	15.47	1.20	0.80	27.55	14.00	4.39
5000.00	16.14	22.94	12.75	15.18	1.25	0.79	27.02	13.52	4.43
5250.00	15.76	22.98	12.37	14.91	1.31	0.80	26.50	12.94	4.56
5500.00	15.37	23.02	12.13	14.73	1.34	0.82	26.36	12.86	4.67
5750.00	14.97	23.01	11.91	14.71	1.35	0.86	26.27	12.49	4.73
6000.00	14.55	22.96	11.78	14.87	1.35	0.91	26.05	12.16	4.77
6250.00	14.06	23.00	11.44	14.92	1.39	0.94	25.62	11.76	4.98
6500.00	13.54	23.08	11.00	15.12	1.48	0.95	25.28	11.34	5.07
6750.00	12.87	23.27	10.43	15.40	1.63	0.96	24.81	10.74	5.20
7000.00	12.23	23.18	9.54	15.20	1.72	0.97	24.17	10.42	5.40

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 = 5V, Id =65.05 mA @ Temperature = -55degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10.0	24.66	28.02	8.52	9.41	0.88	0.58		18.13	3.31
50.0	22.06	24.71	14.90	17.12	0.99	0.51	33.39	18.39	2.92
100.0	21.67	24.55	17.06	21.05	1.03	0.51	34.51	18.57	2.94
200.0	21.57	24.51	17.90	23.34	1.04	0.50	34.60	18.15	2.88
300.0	21.51	24.43	17.29	24.02	1.05	0.50	35.21	18.19	3.04
400.0	21.49	24.40	16.80	22.93	1.05	0.49	35.04	18.56	3.07
500.0	21.44	24.47	17.06	21.94	1.05	0.50	35.10	18.50	3.14
600.0	21.44	24.37	16.95	20.94	1.05	0.49	35.34	18.63	3.07
700.0	21.42	24.37	17.03	19.93	1.04	0.49	35.64	18.80	3.05
800.0	21.36	24.36	17.12	19.36	1.04	0.50	35.40	18.67	2.99
900.0	21.34	24.29	17.45	18.38	1.03	0.50	34.63	18.34	3.02
1000.0	21.33	24.27	17.46	17.51	1.02	0.51	34.49	18.58	3.02
1250.0	21.23	24.14	17.16	15.45	1.00	0.51	34.95	18.86	3.03
1500.0	21.10	23.99	17.81	14.37	1.00	0.49	34.36	19.05	2.96
1750.0	20.95	23.84	19.12	13.56	1.02	0.45	33.77	18.92	3.04
2000.0	20.70	23.68	20.06	12.94	1.03	0.44	33.09	18.72	3.02
2250.0	20.45	23.59	21.24	12.46	1.04	0.44	32.44	18.63	2.98
2500.0	20.21	23.40	22.38	12.41	1.04	0.44	31.84	18.23	2.97
2750.0	19.92	23.32	22.15	12.51	1.05	0.47	31.48	17.82	2.98
3000.0	19.62	23.22	20.63	12.52	1.05	0.50	30.75	17.44	2.79
3250.0	19.30	23.12	19.36	12.51	1.04	0.55	30.05	17.18	3.08
3500.0	18.98	23.12	18.55	12.73	1.04	0.60	29.72	16.64	3.04
3750.0	18.64	23.02	17.53	12.94	1.04	0.64	28.99	16.28	3.09
4000.0	18.29	23.00	16.78	13.01	1.06	0.66	29.02	15.83	3.05
4250.0	17.92	23.00	16.02	13.09	1.10	0.68	28.81	15.20	3.16
4500.0	17.56	23.07	15.65	13.02	1.15	0.68	28.54	15.07	3.14
4750.0	17.24	23.02	15.36	12.79	1.19	0.68	28.32	14.79	3.22
5000.0	16.94	22.97	14.89	12.74	1.21	0.69	28.11	14.46	3.25
5250.0	16.63	22.88	14.61	12.55	1.21	0.71	27.71	13.82	3.24
5500.0	16.35	22.73	14.59	12.79	1.18	0.76	27.27	13.75	3.37
5750.0	16.07	22.76	14.07	12.77	1.17	0.81	27.24	13.36	3.42
6000.0	15.67	22.76	13.36	12.66	1.20	0.83	26.89	13.03	3.41
6250.0	15.28	22.73	12.92	12.61	1.27	0.81	26.58	12.50	3.55
6500.0	14.80	22.81	12.25	12.34	1.36	0.80	26.56	12.19	3.61
6750.0	14.25	22.96	11.54	12.28	1.44	0.83	26.42	11.53	3.71
7000.0	13.65	22.81	10.82	12.28	1.44	0.88	26.16	11.09	3.89

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 = 4.8V, Id =58.07 mA @ Temperature = -55degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10.0	24.58	27.56	8.60	9.02	0.87	0.52		18.13	3.19
50.0	21.96	24.54	15.16	16.82	0.99	0.49	31.68	18.39	2.88
100.0	21.57	24.44	17.57	20.58	1.03	0.51	32.31	18.57	2.85
200.0	21.47	24.39	18.58	22.63	1.04	0.50	32.78	18.15	2.86
300.0	21.41	24.42	17.93	23.47	1.05	0.50	33.22	18.19	3.00
400.0	21.40	24.30	17.38	22.58	1.05	0.49	33.47	18.56	2.97
500.0	21.35	24.33	17.65	21.75	1.05	0.49	33.33	18.50	3.08
600.0	21.35	24.31	17.56	20.77	1.05	0.49	33.64	18.63	3.01
700.0	21.33	24.25	17.62	19.74	1.05	0.49	33.58	18.80	3.00
800.0	21.27	24.26	17.73	19.20	1.04	0.50	33.86	18.67	2.94
900.0	21.26	24.21	18.07	18.23	1.03	0.50	32.88	18.34	2.97
1000.0	21.25	24.15	18.06	17.39	1.02	0.50	32.66	18.58	2.95
1250.0	21.15	24.03	17.73	15.39	1.00	0.50	33.47	18.86	2.98
1500.0	21.02	23.85	18.37	14.31	1.00	0.48	32.98	19.05	2.90
1750.0	20.87	23.73	19.64	13.49	1.01	0.45	32.68	18.92	3.01
2000.0	20.61	23.60	20.52	12.84	1.03	0.44	32.22	18.72	2.93
2250.0	20.37	23.49	21.47	12.35	1.04	0.44	31.96	18.63	2.91
2500.0	20.12	23.35	22.33	12.25	1.04	0.44	30.99	18.23	2.91
2750.0	19.83	23.25	21.80	12.33	1.05	0.47	30.62	17.82	2.93
3000.0	19.53	23.11	20.27	12.31	1.05	0.49	30.21	17.44	2.75
3250.0	19.20	23.06	19.05	12.30	1.04	0.55	29.55	17.18	2.99
3500.0	18.88	23.03	18.25	12.51	1.04	0.60	29.11	16.64	2.97
3750.0	18.56	22.93	17.26	12.66	1.04	0.64	28.49	16.28	3.01
4000.0	18.20	22.93	16.57	12.72	1.06	0.66	28.53	15.83	3.04
4250.0	17.82	22.91	15.85	12.81	1.10	0.68	28.31	15.20	3.10
4500.0	17.46	22.97	15.52	12.73	1.14	0.68	28.17	15.07	3.07
4750.0	17.14	22.92	15.23	12.51	1.18	0.67	27.96	14.79	3.15
5000.0	16.85	22.89	14.80	12.44	1.21	0.68	27.77	14.46	3.18
5250.0	16.54	22.79	14.55	12.26	1.20	0.71	27.35	13.82	3.16
5500.0	16.26	22.66	14.53	12.48	1.18	0.76	26.91	13.75	3.24
5750.0	15.98	22.69	14.05	12.47	1.17	0.81	26.83	13.36	3.30
6000.0	15.59	22.70	13.35	12.36	1.20	0.83	26.58	13.03	3.30
6250.0	15.19	22.64	12.91	12.33	1.27	0.81	26.18	12.50	3.44
6500.0	14.72	22.73	12.26	12.08	1.36	0.79	26.25	12.19	3.49
6750.0	14.16	22.91	11.54	12.03	1.44	0.83	26.00	11.53	3.62
7000.0	13.56	22.73	10.84	12.06	1.44	0.88	25.68	11.09	3.71

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 = 5.2V, Id = 73.72 mA @ Temperature = -55degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10.0	24.76	28.09	8.25	8.94	0.90	0.52		19.06	3.39
50.0	22.16	25.02	14.68	17.28	0.99	0.53	36.21	19.68	3.00
100.0	21.76	24.67	16.58	21.52	1.03	0.51	36.01	19.78	3.02
200.0	21.65	24.51	17.31	23.89	1.04	0.50	36.29	19.45	2.97
300.0	21.58	24.59	16.73	24.41	1.05	0.51	36.50	19.49	3.10
400.0	21.57	24.50	16.29	23.10	1.05	0.49	37.17	19.75	3.11
500.0	21.52	24.57	16.54	22.09	1.05	0.51	36.85	19.74	3.20
600.0	21.52	24.45	16.46	21.09	1.05	0.49	37.17	19.81	3.14
700.0	21.50	24.45	16.51	20.09	1.04	0.50	37.23	19.94	3.15
800.0	21.44	24.43	16.61	19.48	1.04	0.51	37.39	19.85	3.08
900.0	21.42	24.42	16.94	18.52	1.03	0.51	36.26	19.60	3.13
1000.0	21.41	24.30	16.96	17.63	1.02	0.51	35.78	19.81	3.09
1250.0	21.31	24.22	16.70	15.54	1.00	0.52	36.66	19.98	3.09
1500.0	21.18	24.04	17.34	14.44	1.00	0.49	35.48	20.07	3.08
1750.0	21.03	23.91	18.65	13.67	1.02	0.45	34.82	19.88	3.14
2000.0	20.78	23.80	19.65	13.06	1.03	0.44	34.20	19.56	3.08
2250.0	20.54	23.65	20.91	12.61	1.04	0.44	33.21	19.33	3.04
2500.0	20.30	23.49	22.38	12.59	1.04	0.45	32.33	18.85	3.04
2750.0	20.00	23.40	22.34	12.73	1.05	0.47	31.86	18.32	3.10
3000.0	19.71	23.28	20.87	12.76	1.05	0.50	31.29	17.86	2.93
3250.0	19.39	23.21	19.56	12.76	1.04	0.55	30.41	17.61	3.13
3500.0	19.07	23.19	18.78	13.02	1.05	0.60	30.13	17.04	3.13
3750.0	18.74	23.07	17.68	13.26	1.05	0.63	29.36	16.63	3.16
4000.0	18.39	23.06	16.91	13.34	1.07	0.66	29.26	16.18	3.13
4250.0	18.01	23.09	16.14	13.46	1.11	0.68	28.96	15.55	3.28
4500.0	17.65	23.10	15.72	13.41	1.15	0.68	28.91	15.44	3.25
4750.0	17.33	23.06	15.40	13.19	1.18	0.68	28.69	15.14	3.33
5000.0	17.04	23.07	14.94	13.09	1.21	0.69	28.36	14.81	3.36
5250.0	16.72	22.91	14.63	12.90	1.20	0.72	28.05	14.16	3.38
5500.0	16.44	22.78	14.60	13.15	1.18	0.76	27.71	14.10	3.48
5750.0	16.16	22.86	14.08	13.13	1.18	0.81	27.55	13.72	3.54
6000.0	15.76	22.83	13.34	13.01	1.20	0.83	27.20	13.37	3.53
6250.0	15.37	22.81	12.87	12.97	1.27	0.82	26.81	12.83	3.67
6500.0	14.89	22.90	12.18	12.67	1.37	0.81	26.90	12.51	3.76
6750.0	14.34	23.07	11.47	12.58	1.44	0.84	26.82	11.87	3.86
7000.0	13.74	22.88	10.75	12.58	1.44	0.89	26.62	11.42	3.99

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 = 5V, Id = 74.97 mA @ Temperature = +105degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10.00	24.35	27.29	8.94	8.91	0.87	0.50	--	18.83	3.67
50.00	21.74	24.40	15.54	16.98	0.99	0.50	36.04	19.55	4.31
100.00	21.33	24.21	17.27	21.76	1.03	0.51	35.66	19.63	4.30
200.00	21.19	24.20	17.63	24.15	1.05	0.51	36.00	19.48	4.26
300.00	21.13	24.18	18.17	24.00	1.05	0.51	35.74	19.50	4.46
400.00	21.11	24.14	18.69	24.01	1.05	0.50	36.54	19.47	4.45
500.00	21.08	24.10	19.15	23.42	1.06	0.50	36.34	19.56	4.60
600.00	21.07	24.11	19.27	22.47	1.06	0.50	36.14	19.50	4.48
700.00	21.03	24.03	19.41	21.76	1.05	0.49	36.06	19.59	4.47
800.00	20.99	23.99	19.68	21.14	1.05	0.50	35.42	19.54	4.44
900.00	20.97	23.96	20.18	20.38	1.05	0.50	35.38	19.50	4.39
1000.00	20.95	23.86	20.67	19.78	1.04	0.49	34.13	19.54	4.44
1250.00	20.84	23.70	22.07	18.38	1.03	0.49	34.42	19.55	4.39
1500.00	20.69	23.53	24.49	17.30	1.03	0.47	33.29	19.33	4.35
1750.00	20.47	23.34	28.83	16.50	1.04	0.46	32.34	18.92	4.47
2000.00	20.19	23.16	31.46	16.09	1.04	0.48	31.56	18.25	4.45
2250.00	19.85	23.01	25.83	16.10	1.04	0.50	30.75	17.64	4.52
2500.00	19.46	22.95	20.97	16.62	1.06	0.54	29.60	16.92	4.54
2750.00	19.04	22.85	17.89	17.27	1.08	0.57	29.05	16.11	4.56
3000.00	18.61	22.82	15.99	17.87	1.10	0.61	28.43	15.65	4.51
3250.00	18.16	22.80	14.71	18.48	1.13	0.65	27.53	15.02	4.79
3500.00	17.72	22.82	13.72	18.66	1.15	0.69	26.81	14.34	4.85
3750.00	17.24	22.82	13.00	18.34	1.17	0.74	26.22	13.88	4.90
4000.00	16.75	22.78	12.33	17.75	1.18	0.79	25.88	13.49	4.99
4250.00	16.27	22.87	11.88	17.25	1.20	0.84	25.23	12.88	5.13
4500.00	15.78	22.94	11.47	16.70	1.22	0.89	24.90	12.54	5.22
4750.00	15.29	22.98	11.03	16.23	1.26	0.92	24.74	12.39	5.19
5000.00	14.79	22.96	10.71	15.94	1.32	0.92	24.05	11.70	5.41
5250.00	14.30	23.01	10.40	15.61	1.40	0.92	23.58	11.32	5.54
5500.00	13.83	23.00	10.18	15.57	1.48	0.91	23.78	11.26	5.55
5750.00	13.36	23.04	10.09	15.52	1.55	0.93	23.25	10.84	5.77
6000.00	12.88	23.00	10.14	15.75	1.59	0.95	22.81	10.38	5.85
6250.00	12.35	23.13	10.16	16.20	1.65	1.00	22.51	10.03	5.98
6500.00	11.80	23.17	10.14	16.92	1.73	1.02	21.93	9.67	6.17
6750.00	11.07	23.27	9.72	17.58	1.88	1.04	21.27	9.01	6.30
7000.00	10.44	23.26	9.06	16.86	1.99	1.05	21.00	8.98	6.50

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 = 4.8V, Id = 66.38 mA @ Temperature = +105degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10.00	24.19	26.98	8.82	8.19	0.89	0.41	--	18.00	3.60
50.00	21.64	24.42	15.93	16.57	1.00	0.51	32.77	18.51	4.17
100.00	21.23	24.16	17.84	21.25	1.03	0.51	33.30	18.65	4.18
200.00	21.09	24.12	18.32	23.46	1.05	0.51	33.84	18.40	4.17
300.00	21.04	24.06	18.92	23.29	1.05	0.51	33.27	18.40	4.32
400.00	21.02	24.02	19.44	23.15	1.05	0.50	34.15	18.45	4.32
500.00	20.98	24.02	19.96	22.64	1.06	0.50	33.61	18.51	4.46
600.00	20.98	23.95	20.10	21.79	1.06	0.49	33.82	18.47	4.37
700.00	20.94	23.92	20.24	21.14	1.05	0.49	34.32	18.61	4.40
800.00	20.90	23.88	20.54	20.52	1.05	0.49	34.13	18.54	4.29
900.00	20.88	23.82	21.07	19.88	1.05	0.49	33.53	18.41	4.32
1000.00	20.86	23.77	21.56	19.29	1.04	0.49	32.77	18.48	4.35
1250.00	20.76	23.60	23.10	17.98	1.03	0.48	33.17	18.61	4.30
1500.00	20.61	23.44	25.73	16.95	1.03	0.47	32.47	18.51	4.26
1750.00	20.40	23.22	30.19	16.14	1.03	0.46	31.94	18.24	4.34
2000.00	20.11	23.09	30.82	15.66	1.04	0.47	31.09	17.69	4.33
2250.00	19.78	22.99	24.94	15.63	1.04	0.51	30.49	17.16	4.41
2500.00	19.40	22.89	20.62	16.04	1.05	0.54	29.54	16.54	4.42
2750.00	18.98	22.85	17.68	16.55	1.08	0.58	28.92	15.81	4.43
3000.00	18.56	22.77	15.90	16.99	1.10	0.61	28.30	15.36	4.38
3250.00	18.12	22.77	14.68	17.44	1.13	0.64	27.51	14.76	4.65
3500.00	17.69	22.76	13.72	17.55	1.15	0.68	26.88	14.15	4.67
3750.00	17.22	22.71	13.03	17.32	1.16	0.73	26.23	13.65	4.74
4000.00	16.74	22.75	12.39	16.80	1.17	0.78	25.87	13.27	4.86
4250.00	16.27	22.80	11.95	16.40	1.18	0.84	25.21	12.68	4.99
4500.00	15.78	22.87	11.54	15.96	1.20	0.88	24.88	12.38	5.03
4750.00	15.31	22.92	11.10	15.55	1.24	0.91	24.72	12.19	5.08
5000.00	14.82	22.90	10.78	15.33	1.31	0.91	24.09	11.52	5.23
5250.00	14.34	22.92	10.47	15.06	1.39	0.90	23.58	11.12	5.33
5500.00	13.87	22.94	10.26	15.05	1.47	0.90	23.71	11.06	5.35
5750.00	13.42	23.00	10.16	15.06	1.54	0.92	23.20	10.60	5.55
6000.00	12.94	22.96	10.22	15.26	1.57	0.95	22.74	10.17	5.64
6250.00	12.41	23.08	10.23	15.66	1.63	0.99	22.36	9.82	5.77
6500.00	11.87	23.08	10.23	16.30	1.70	1.02	21.76	9.41	5.95
6750.00	11.13	23.22	9.80	16.85	1.85	1.04	21.07	8.80	6.02
7000.00	10.51	23.21	9.13	16.18	1.97	1.04	20.78	8.72	6.24

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 = 5.2V, Id = 83.97 mA @ Temperature = +105degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10.00	24.41	27.20	8.78	8.45	0.89	0.43	--	19.63	3.79
50.00	21.81	24.57	15.38	17.17	0.99	0.51	37.84	20.43	4.38
100.00	21.40	24.36	16.87	22.22	1.03	0.52	38.17	20.50	4.41
200.00	21.26	24.26	17.13	24.64	1.05	0.51	38.31	20.41	4.38
300.00	21.20	24.21	17.66	24.72	1.05	0.51	37.36	20.43	4.59
400.00	21.18	24.21	18.12	24.67	1.05	0.51	38.26	20.38	4.54
500.00	21.14	24.17	18.56	24.10	1.06	0.50	37.53	20.46	4.68
600.00	21.14	24.14	18.70	23.12	1.05	0.50	37.45	20.41	4.60
700.00	21.10	24.10	18.83	22.36	1.05	0.50	37.10	20.47	4.64
800.00	21.06	24.07	19.10	21.72	1.05	0.50	37.07	20.41	4.52
900.00	21.03	23.98	19.60	20.97	1.04	0.50	36.08	20.41	4.54
1000.00	21.01	23.92	20.04	20.37	1.04	0.50	34.95	20.43	4.55
1250.00	20.90	23.72	21.44	18.87	1.03	0.49	34.53	20.33	4.51
1500.00	20.74	23.57	23.77	17.79	1.03	0.47	33.22	19.98	4.47
1750.00	20.52	23.34	28.20	16.98	1.04	0.46	32.25	19.45	4.56
2000.00	20.22	23.19	32.60	16.60	1.04	0.48	31.37	18.68	4.54
2250.00	19.88	23.05	26.33	16.71	1.05	0.50	30.37	17.99	4.64
2500.00	19.49	22.95	21.11	17.40	1.06	0.54	29.44	17.20	4.69
2750.00	19.05	22.87	17.88	18.26	1.08	0.58	28.72	16.33	4.73
3000.00	18.61	22.84	15.89	19.08	1.10	0.62	28.04	15.85	4.66
3250.00	18.15	22.77	14.57	19.88	1.13	0.66	27.21	15.17	4.92
3500.00	17.69	22.83	13.56	20.11	1.15	0.71	26.56	14.44	4.99
3750.00	17.20	22.83	12.83	19.70	1.17	0.75	26.03	14.00	5.08
4000.00	16.69	22.82	12.18	18.92	1.19	0.80	25.66	13.59	5.20
4250.00	16.20	22.88	11.73	18.23	1.21	0.85	24.97	12.96	5.33
4500.00	15.69	22.96	11.31	17.52	1.23	0.90	24.63	12.68	5.41
4750.00	15.20	23.02	10.87	16.88	1.27	0.93	24.51	12.49	5.43
5000.00	14.69	23.02	10.56	16.51	1.33	0.94	23.82	11.80	5.59
5250.00	14.18	23.03	10.26	16.10	1.41	0.93	23.43	11.43	5.77
5500.00	13.70	23.07	10.06	16.01	1.50	0.93	23.62	11.36	5.79
5750.00	13.23	23.07	9.96	15.94	1.57	0.94	23.08	10.88	5.96
6000.00	12.74	23.07	10.02	16.18	1.62	0.96	22.69	10.49	6.09
6250.00	12.21	23.17	10.04	16.70	1.69	1.00	22.41	10.15	6.27
6500.00	11.66	23.17	10.02	17.56	1.76	1.03	21.88	9.82	6.44
6750.00	10.93	23.35	9.60	18.34	1.92	1.05	21.27	9.18	6.59
7000.00	10.30	23.30	8.94	17.62	2.02	1.06	21.06	9.14	6.77