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 = 5.00V, Id = 44mA @ Temperature = +25°C

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	14.82	22.66	11.41	11.26	1.20	0.88	16.90	15.40	7.26
50	16.43	20.67	13.86	14.06	1.08	0.60	20.92	16.18	5.47
100	17.46	19.67	17.71	18.98	1.03	0.38	29.54	14.93	4.33
150	17.67	19.51	22.12	23.76	1.02	0.34	29.43	15.07	3.96
200	17.67	19.54	26.10	27.28	1.02	0.35	29.17	15.23	3.87
250	17.64	19.61	29.32	29.24	1.03	0.36	29.74	15.76	3.75
300	17.60	19.66	31.05	29.60	1.03	0.38	28.77	15.48	3.79
350	17.57	19.71	31.50	29.64	1.03	0.39	29.55	15.86	3.80
400	17.53	19.75	31.19	29.29	1.03	0.40	29.39	15.87	3.71
450	17.50	19.78	30.31	28.99	1.03	0.41	29.98	15.85	3.73
500	17.48	19.80	29.21	28.90	1.03	0.41	29.83	15.98	3.82
550	17.45	19.81	28.33	28.86	1.03	0.42	29.19	15.95	3.74
600	17.43	19.83	27.40	28.86	1.04	0.43	29.94	15.97	3.74
650	17.41	19.84	26.57	29.01	1.04	0.43	29.77	15.91	3.82
700	17.39	19.85	25.84	29.05	1.04	0.43	29.89	15.88	3.75
750	17.38	19.85	25.19	29.27	1.04	0.44	29.46	16.05	3.75
800	17.36	19.86	24.61	29.40	1.04	0.44	29.67	16.03	3.85
850	17.35	19.87	24.04	29.52	1.04	0.44	30.61	16.15	3.79
900	17.33	19.87	23.55	29.65	1.04	0.45	30.16	16.00	3.73
950	17.30	19.88	23.16	29.75	1.04	0.45	29.68	15.77	3.89
1000	17.28	19.88	22.65	30.03	1.04	0.46	29.71	15.94	3.75
1500	17.07	19.91	19.85	31.96	1.04	0.49	29.64	15.74	3.84
2000	16.83	19.93	17.99	32.51	1.05	0.53	29.18	15.80	3.75
2500	16.53	19.98	16.76	30.88	1.06	0.57	28.55	15.59	3.76
3000	16.21	20.03	15.83	29.42	1.08	0.61	28.39	15.64	3.86
3500	15.88	20.12	15.38	29.35	1.09	0.65	28.12	15.43	3.82
4000	15.57	20.22	15.54	29.35	1.12	0.69	26.58	15.12	3.82
4500	15.29	20.34	16.05	25.13	1.14	0.72	26.33	14.62	3.83
5000	15.04	20.49	16.81	21.15	1.17	0.73	24.86	13.96	3.89
5500	14.87	20.71	18.19	18.92	1.21	0.74	24.43	13.63	3.94
6000	14.72	20.98	20.60	17.92	1.25	0.75	23.96	13.02	4.00
6500	14.61	21.34	25.03	17.91	1.30	0.77	24.18	12.66	4.11
7000	14.53	21.78	31.51	18.43	1.35	0.80	23.58	12.00	4.20
7500	14.43	22.40	23.53	18.65	1.42	0.84	23.27	10.94	4.37
8000	14.31	23.14	17.68	17.51	1.50	0.88	21.06	9.49	4.42
9000	13.97	24.73	10.69	12.18	1.55	0.98	19.49	8.49	4.63
10000	13.35	24.40	6.44	7.35	1.07	1.03	18.14	7.06	4.92
11000	12.39	21.60	3.80	4.54	0.39	1.03	14.52	5.51	5.19
12000	10.49	19.40	2.12	2.81	0.04	0.92	11.70	4.83	5.71

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 = 4.75V, Id = 39mA @ Temperature = +25°C

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	14.42	22.55	10.90	11.20	1.21	0.90	18.99	14.45	7.13
50	16.30	20.58	13.40	13.92	1.08	0.60	26.06	14.12	5.37
100	17.33	19.60	17.73	18.78	1.03	0.39	27.79	13.22	4.25
150	17.54	19.44	21.79	23.24	1.02	0.35	27.60	13.75	3.92
200	17.55	19.48	25.34	26.08	1.02	0.35	27.88	14.09	3.82
250	17.52	19.54	28.37	27.42	1.03	0.37	28.13	14.66	3.72
300	17.47	19.60	30.21	27.53	1.03	0.38	26.99	14.22	3.76
350	17.45	19.64	31.44	27.57	1.03	0.40	27.97	14.76	3.78
400	17.41	19.68	31.69	27.31	1.03	0.40	28.27	14.92	3.68
450	17.38	19.71	31.15	27.12	1.03	0.41	28.49	14.75	3.70
500	17.36	19.72	30.20	27.10	1.04	0.42	28.09	15.04	3.77
550	17.34	19.74	29.30	27.09	1.04	0.42	27.58	15.01	3.70
600	17.32	19.76	28.37	27.14	1.04	0.43	29.20	15.04	3.70
650	17.30	19.77	27.50	27.29	1.04	0.43	28.16	14.83	3.78
700	17.28	19.78	26.69	27.36	1.04	0.44	28.36	14.80	3.73
750	17.26	19.79	26.02	27.59	1.04	0.44	28.21	15.12	3.70
800	17.25	19.79	25.39	27.74	1.04	0.45	27.90	14.96	3.79
850	17.24	19.79	24.76	27.89	1.04	0.45	28.70	15.11	3.72
900	17.22	19.80	24.23	28.03	1.04	0.45	28.15	15.08	3.69
950	17.19	19.81	23.81	28.18	1.04	0.46	28.59	14.68	3.75
1000	17.17	19.81	23.27	28.44	1.04	0.46	28.62	15.02	3.71
1500	16.97	19.84	20.30	30.48	1.05	0.49	27.88	14.80	3.79
2000	16.72	19.87	18.32	31.14	1.06	0.53	28.13	14.74	3.69
2500	16.43	19.91	17.02	29.72	1.07	0.57	27.26	14.66	3.75
3000	16.11	19.98	16.06	28.96	1.08	0.61	27.25	14.75	3.80
3500	15.79	20.06	15.61	30.17	1.10	0.65	27.58	14.72	3.75
4000	15.48	20.15	15.81	32.45	1.12	0.69	26.44	14.43	3.78
4500	15.20	20.26	16.38	26.36	1.15	0.71	25.72	14.09	3.80
5000	14.95	20.42	17.19	21.39	1.18	0.73	24.50	13.45	3.80
5500	14.76	20.62	18.61	18.83	1.21	0.74	23.99	13.11	3.96
6000	14.60	20.89	21.01	17.57	1.25	0.75	23.63	12.62	3.98
6500	14.48	21.24	25.27	17.29	1.30	0.77	23.90	12.16	4.03
7000	14.38	21.66	29.77	17.52	1.35	0.79	23.25	11.50	4.12
7500	14.27	22.24	22.92	17.56	1.42	0.83	22.73	10.58	4.26
8000	14.14	22.95	17.53	16.60	1.49	0.88	20.49	9.26	4.40
9000	13.78	24.44	10.76	11.99	1.54	0.97	18.83	8.24	4.57
10000	13.17	24.27	6.56	7.42	1.09	1.03	17.48	6.81	4.81
11000	12.22	21.69	3.92	4.68	0.43	1.03	13.87	5.27	5.09
12000	10.37	19.53	2.21	2.92	0.07	0.93	11.10	4.59	5.56

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 = 5.25, Id = 48mA @ Temperature = +25°C

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	15.39	22.77	12.62	11.38	1.18	0.84	17.38	16.17	7.13
50	16.63	20.73	15.16	14.25	1.07	0.58	19.19	17.12	5.51
100	17.49	19.74	18.26	19.14	1.03	0.39	24.49	16.38	4.38
150	17.76	19.57	22.39	24.11	1.02	0.33	30.08	16.33	4.01
200	17.77	19.60	26.51	28.18	1.02	0.34	30.99	16.31	3.91
250	17.74	19.67	29.64	30.92	1.02	0.36	31.26	16.51	3.83
300	17.69	19.73	30.94	31.66	1.03	0.37	30.00	16.37	3.85
350	17.66	19.77	30.74	31.78	1.03	0.39	30.49	16.58	3.88
400	17.62	19.80	30.16	31.28	1.03	0.40	31.47	16.72	3.77
450	17.59	19.83	29.24	30.83	1.03	0.40	30.80	16.70	4.05
500	17.57	19.85	28.16	30.68	1.03	0.41	31.16	16.81	3.87
550	17.54	19.87	27.36	30.55	1.03	0.42	30.73	16.78	3.77
600	17.52	19.88	26.50	30.47	1.03	0.42	31.05	16.80	3.79
650	17.50	19.89	25.74	30.57	1.03	0.43	31.83	16.75	3.85
700	17.48	19.90	25.08	30.57	1.04	0.43	31.31	16.73	3.83
750	17.46	19.91	24.50	30.75	1.04	0.44	31.51	16.86	3.78
800	17.45	19.92	23.94	30.81	1.04	0.44	30.56	16.74	3.87
850	17.44	19.92	23.42	30.90	1.04	0.44	31.49	16.84	3.80
900	17.42	19.93	22.96	31.01	1.04	0.45	30.58	16.82	3.81
950	17.39	19.93	22.60	31.03	1.04	0.45	30.58	16.48	3.87
1000	17.37	19.94	22.14	31.26	1.04	0.45	31.32	16.75	3.84
1500	17.16	19.96	19.49	32.60	1.04	0.49	30.57	16.58	3.91
2000	16.91	19.98	17.72	32.89	1.05	0.53	30.30	16.50	3.80
2500	16.62	20.02	16.55	31.20	1.06	0.57	29.36	16.28	3.83
3000	16.29	20.08	15.64	29.18	1.07	0.61	29.17	16.30	3.90
3500	15.96	20.16	15.19	28.20	1.09	0.65	28.54	16.06	3.85
4000	15.66	20.26	15.32	27.32	1.11	0.69	27.20	15.60	3.87
4500	15.37	20.39	15.78	24.06	1.14	0.72	26.67	15.08	3.87
5000	15.13	20.55	16.49	20.80	1.17	0.73	25.36	14.42	3.95
5500	14.97	20.77	17.79	18.91	1.20	0.74	24.52	14.09	4.03
6000	14.83	21.05	20.13	18.13	1.25	0.75	24.30	13.47	4.09
6500	14.74	21.42	24.54	18.39	1.30	0.77	24.48	12.98	4.19
7000	14.67	21.88	33.05	19.25	1.35	0.80	23.93	12.18	4.29
7500	14.58	22.52	24.21	19.75	1.42	0.84	23.52	11.12	4.42
8000	14.48	23.31	17.89	18.44	1.51	0.88	21.51	9.80	4.55
9000	14.17	24.98	10.68	12.38	1.57	0.98	19.90	8.69	4.78
10000	13.57	24.53	6.35	7.29	1.04	1.04	18.71	7.40	5.06
11000	12.59	21.51	3.69	4.42	0.35	1.03	15.10	5.85	5.33
12000	10.66	19.27	2.03	2.70	0.01	0.92	12.10	5.27	5.93

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 = 5.00V, Id = 41mA @ Temperature = -45°C

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	14.53	22.82	10.30	11.28	1.21	0.92	20.05	15.08	6.65
50	16.51	20.79	12.84	13.91	1.08	0.60	28.13	14.69	4.81
100	17.58	19.76	17.51	18.79	1.03	0.37	28.19	13.66	3.72
150	17.80	19.59	22.11	23.66	1.02	0.33	29.36	14.18	3.42
200	17.81	19.63	26.39	27.61	1.02	0.34	28.93	14.38	3.29
250	17.78	19.70	29.97	30.14	1.02	0.36	28.99	15.10	3.18
300	17.73	19.76	31.97	30.99	1.03	0.37	28.01	14.64	3.17
350	17.70	19.81	32.17	31.36	1.03	0.38	28.70	15.04	3.27
400	17.67	19.84	31.50	31.27	1.03	0.39	29.25	15.21	3.14
450	17.64	19.88	30.33	31.16	1.03	0.40	28.99	15.18	3.14
500	17.62	19.89	29.07	31.16	1.03	0.41	28.80	15.34	3.21
550	17.59	19.91	28.19	31.13	1.03	0.41	28.48	15.45	3.16
600	17.58	19.92	27.33	31.14	1.03	0.42	29.87	15.49	3.18
650	17.55	19.93	26.59	31.34	1.03	0.42	28.97	15.41	3.22
700	17.54	19.94	25.87	31.51	1.04	0.43	29.49	15.22	3.17
750	17.52	19.95	25.15	31.97	1.04	0.43	28.71	15.59	3.15
800	17.50	19.96	24.47	32.36	1.04	0.44	28.52	15.41	3.21
850	17.50	19.96	23.80	32.68	1.04	0.44	29.84	15.73	3.19
900	17.48	19.97	23.27	33.01	1.04	0.44	29.12	15.69	3.14
950	17.45	19.97	22.91	33.23	1.04	0.45	29.00	14.96	3.26
1000	17.43	19.98	22.43	33.67	1.04	0.45	29.15	15.50	3.15
1500	17.23	20.00	19.77	38.03	1.04	0.48	29.16	15.25	3.24
2000	17.00	20.01	18.08	38.89	1.05	0.52	29.29	15.21	3.14
2500	16.71	20.05	16.94	35.11	1.06	0.56	28.42	15.14	3.17
3000	16.39	20.09	16.17	32.46	1.07	0.60	28.29	15.40	3.19
3500	16.06	20.16	15.58	33.45	1.09	0.64	28.86	15.40	3.14
4000	15.76	20.25	15.50	30.71	1.11	0.68	27.92	15.29	3.18
4500	15.47	20.35	15.65	24.09	1.13	0.71	26.80	14.82	3.12
5000	15.21	20.48	15.78	19.77	1.15	0.72	25.59	14.32	3.21
5500	15.03	20.65	16.24	17.50	1.18	0.73	24.80	13.81	3.33
6000	14.88	20.86	17.32	16.22	1.21	0.73	24.18	13.55	3.27
6500	14.79	21.14	19.26	15.79	1.25	0.74	24.64	13.41	3.38
7000	14.74	21.47	22.52	15.96	1.29	0.76	24.30	12.97	3.42
7500	14.71	21.94	28.57	16.50	1.34	0.79	24.21	11.98	3.62
8000	14.69	22.55	24.52	16.86	1.40	0.82	22.14	10.62	3.65
9000	14.67	24.17	13.95	14.09	1.50	0.91	20.81	9.54	3.78
10000	14.55	25.06	8.41	8.91	1.26	0.99	19.51	8.04	4.02
11000	14.08	22.52	4.67	5.19	0.51	1.01	15.43	6.10	4.27
12000	12.69	19.46	2.00	2.51	-0.02	0.89	12.40	5.44	4.76

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 = 4.75, Id = 37mA @ Temperature = -45°C

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	14.42	22.71	10.46	11.18	1.22	0.91	27.29	14.05	6.57
50	16.40	20.71	13.09	13.82	1.08	0.60	25.90	12.56	4.81
100	17.46	19.69	17.58	18.66	1.03	0.38	27.30	12.35	3.70
150	17.67	19.53	21.85	23.32	1.02	0.34	27.55	12.91	3.41
200	17.68	19.57	25.71	26.65	1.02	0.35	27.15	13.24	3.32
250	17.66	19.64	29.15	28.43	1.03	0.36	27.64	13.83	3.21
300	17.61	19.70	31.31	28.85	1.03	0.38	26.31	13.37	3.22
350	17.59	19.74	32.63	29.12	1.03	0.39	26.82	13.92	3.24
400	17.55	19.78	32.60	29.06	1.03	0.40	27.51	14.10	3.16
450	17.53	19.81	31.67	29.04	1.03	0.41	27.07	14.07	3.20
500	17.51	19.83	30.47	29.09	1.03	0.41	26.99	14.23	3.24
550	17.48	19.84	29.51	29.11	1.04	0.42	26.53	14.20	3.16
600	17.47	19.86	28.55	29.17	1.04	0.42	27.91	14.39	3.18
650	17.45	19.87	27.73	29.38	1.04	0.43	27.33	14.16	3.24
700	17.43	19.88	26.92	29.50	1.04	0.43	27.79	14.12	3.21
750	17.42	19.89	26.11	29.94	1.04	0.44	27.35	14.50	3.16
800	17.40	19.89	25.36	30.30	1.04	0.44	27.13	14.30	3.22
850	17.40	19.90	24.61	30.64	1.04	0.44	28.00	14.65	3.20
900	17.38	19.90	24.04	31.00	1.04	0.45	27.48	14.62	3.17
950	17.34	19.90	23.65	31.32	1.04	0.45	27.62	13.85	3.17
1000	17.33	19.91	23.10	31.78	1.04	0.45	27.96	14.56	3.17
1500	17.13	19.93	20.26	36.42	1.04	0.48	27.44	14.00	3.28
2000	16.90	19.95	18.44	36.45	1.05	0.52	27.51	14.12	3.14
2500	16.61	19.98	17.23	32.98	1.06	0.56	26.62	14.05	3.16
3000	16.30	20.04	16.42	31.56	1.08	0.60	27.06	14.34	3.20
3500	15.98	20.10	15.83	34.43	1.09	0.64	27.59	14.52	3.13
4000	15.68	20.18	15.77	33.80	1.11	0.67	26.73	14.44	3.13
4500	15.39	20.27	15.95	24.81	1.13	0.70	26.00	14.29	3.14
5000	15.13	20.39	16.08	19.90	1.16	0.72	25.07	13.81	3.22
5500	14.94	20.56	16.53	17.43	1.18	0.72	24.25	13.29	3.33
6000	14.79	20.76	17.57	16.01	1.22	0.73	23.67	13.04	3.32
6500	14.68	21.04	19.40	15.43	1.25	0.74	24.19	12.89	3.38
7000	14.62	21.35	22.44	15.44	1.29	0.75	23.76	12.47	3.43
7500	14.58	21.80	27.27	15.79	1.34	0.78	23.75	11.62	3.59
8000	14.55	22.37	23.84	16.01	1.39	0.82	21.60	10.27	3.65
9000	14.51	23.90	13.99	13.70	1.48	0.91	20.16	9.16	3.75
10000	14.38	24.85	8.56	8.96	1.27	0.98	18.83	7.78	4.00
11000	13.92	22.61	4.82	5.36	0.55	1.01	14.80	5.85	4.24
12000	12.58	19.62	2.11	2.64	0.01	0.90	11.85	5.18	4.67

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 = 5.25V, Id = 45mA @ Temperature = -45°C

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	14.94	22.92	10.88	11.33	1.20	0.90	16.38	15.95	6.84
50	16.63	20.85	13.31	14.02	1.07	0.60	22.15	16.62	4.96
100	17.69	19.82	17.42	18.88	1.03	0.37	30.27	15.32	3.82
150	17.91	19.65	22.23	23.85	1.02	0.32	29.55	15.46	3.46
200	17.92	19.69	26.70	28.27	1.02	0.33	30.65	15.61	3.33
250	17.88	19.76	30.06	31.73	1.02	0.35	30.32	16.18	3.24
300	17.83	19.82	31.44	33.40	1.03	0.37	29.58	15.73	3.30
350	17.80	19.87	30.89	34.09	1.03	0.38	30.22	16.12	3.30
400	17.77	19.90	29.98	34.01	1.03	0.39	30.14	16.29	3.21
450	17.74	19.93	28.86	33.74	1.03	0.40	31.24	16.26	3.24
500	17.72	19.95	27.73	33.61	1.03	0.40	30.73	16.41	3.29
550	17.69	19.97	26.96	33.47	1.03	0.41	30.34	16.37	3.21
600	17.67	19.98	26.20	33.33	1.03	0.42	30.81	16.41	3.24
650	17.65	19.99	25.56	33.50	1.03	0.42	30.64	16.33	3.29
700	17.63	20.00	24.94	33.56	1.03	0.42	30.74	16.29	3.21
750	17.62	20.01	24.30	34.02	1.03	0.43	31.14	16.49	3.23
800	17.60	20.01	23.69	34.27	1.03	0.43	29.98	16.46	3.25
850	17.59	20.02	23.09	34.53	1.03	0.43	31.54	16.61	3.22
900	17.57	20.03	22.59	34.72	1.04	0.44	31.17	16.58	3.23
950	17.54	20.03	22.24	34.75	1.04	0.44	30.61	16.03	3.29
1000	17.52	20.03	21.80	35.02	1.04	0.45	30.78	16.52	3.22
1500	17.32	20.05	19.32	36.82	1.04	0.48	30.86	16.17	3.30
2000	17.09	20.06	17.75	38.10	1.05	0.51	31.10	16.26	3.16
2500	16.80	20.09	16.68	35.74	1.06	0.55	29.73	16.04	3.22
3000	16.48	20.14	15.95	32.22	1.07	0.60	29.81	16.13	3.25
3500	16.15	20.21	15.36	31.52	1.08	0.64	29.66	16.09	3.22
4000	15.84	20.30	15.25	28.44	1.10	0.68	28.31	15.81	3.20
4500	15.55	20.40	15.37	23.31	1.12	0.71	27.62	15.32	3.21
5000	15.30	20.53	15.47	19.55	1.15	0.72	26.26	14.79	3.30
5500	15.13	20.71	15.92	17.48	1.17	0.73	25.17	14.30	3.38
6000	15.00	20.93	17.01	16.36	1.21	0.73	24.40	14.03	3.39
6500	14.91	21.22	18.94	16.08	1.25	0.74	24.99	13.77	3.48
7000	14.88	21.55	22.30	16.44	1.29	0.76	24.69	13.32	3.53
7500	14.87	22.04	29.44	17.22	1.34	0.79	24.58	12.31	3.63
8000	14.87	22.68	25.37	17.79	1.40	0.82	22.63	10.94	3.76
9000	14.88	24.41	13.94	14.54	1.52	0.92	21.35	9.75	3.94
10000	14.79	25.29	8.28	8.89	1.25	0.99	20.00	8.26	4.14
11000	14.32	22.43	4.51	5.03	0.46	1.01	16.02	6.45	4.45
12000	12.91	19.26	1.85	2.34	-0.06	0.89	12.98	5.77	4.89

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 = 5.00V, Id = 46mA @ Temperature = +85°C

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	15.24	22.54	13.17	11.33	1.19	0.83	17.34	15.69	7.55
50	16.45	20.57	15.61	14.23	1.08	0.59	19.54	16.72	5.92
100	17.29	19.62	18.46	19.11	1.03	0.40	24.73	16.00	4.77
150	17.54	19.45	22.16	23.79	1.02	0.35	29.12	15.94	4.45
200	17.55	19.48	25.77	26.90	1.02	0.36	29.69	15.92	4.35
250	17.51	19.54	28.72	28.30	1.03	0.37	29.85	16.10	4.22
300	17.47	19.60	30.37	28.31	1.03	0.39	29.53	15.99	4.27
350	17.43	19.64	30.96	28.15	1.03	0.40	29.28	16.19	4.27
400	17.39	19.68	30.85	27.72	1.03	0.41	30.14	16.31	4.19
450	17.37	19.71	30.12	27.36	1.03	0.42	30.23	16.29	4.20
500	17.34	19.73	29.16	27.20	1.04	0.42	30.36	16.28	4.26
550	17.31	19.75	28.33	27.09	1.04	0.43	29.79	16.37	4.22
600	17.29	19.76	27.46	27.01	1.04	0.43	30.61	16.26	4.17
650	17.27	19.77	26.65	27.06	1.04	0.44	30.23	16.34	4.29
700	17.25	19.78	25.92	27.03	1.04	0.44	30.12	16.19	4.22
750	17.23	19.79	25.30	27.12	1.04	0.45	30.22	16.32	4.19
800	17.21	19.80	24.72	27.16	1.04	0.45	30.07	16.32	4.32
850	17.20	19.80	24.15	27.20	1.04	0.45	31.00	16.29	4.29
900	17.18	19.81	23.66	27.25	1.04	0.46	30.55	16.26	4.21
950	17.15	19.81	23.24	27.28	1.04	0.46	30.53	16.07	4.51
1000	17.13	19.82	22.75	27.42	1.04	0.47	30.36	16.19	4.28
1500	16.90	19.85	19.83	28.21	1.05	0.50	30.16	16.14	4.35
2000	16.64	19.90	17.84	28.57	1.06	0.54	29.80	16.04	4.26
2500	16.33	19.95	16.55	28.01	1.07	0.59	28.01	15.81	4.25
3000	15.99	20.02	15.67	27.23	1.09	0.63	28.06	15.66	4.33
3500	15.66	20.11	15.35	27.04	1.11	0.67	27.67	15.24	4.30
4000	15.34	20.24	15.78	27.32	1.13	0.71	26.42	14.74	4.33
4500	15.05	20.38	16.80	25.67	1.17	0.73	25.76	14.20	4.33
5000	14.81	20.58	18.53	22.99	1.21	0.75	24.79	13.54	4.41
5500	14.62	20.85	21.73	21.44	1.25	0.76	24.38	13.15	4.54
6000	14.44	21.20	28.36	21.08	1.31	0.78	23.58	12.34	4.53
6500	14.28	21.67	36.32	21.47	1.38	0.81	23.73	11.62	4.65
7000	14.11	22.23	23.32	21.46	1.45	0.85	22.63	10.86	4.77
7500	13.91	22.99	17.84	19.77	1.55	0.89	21.88	9.73	4.99
8000	13.64	23.82	14.19	16.79	1.65	0.94	19.25	8.42	5.07
9000	12.86	25.08	8.78	10.63	1.63	1.03	17.51	7.43	5.33
10000	11.78	23.87	5.47	6.34	0.99	1.04	16.49	6.11	5.51
11000	10.56	21.20	3.65	4.28	0.41	1.01	13.41	4.83	5.88
12000	8.38	19.60	2.62	3.24	0.22	0.93	10.80	4.28	6.46

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 = 4.75V, Id = 42mA @ Temperature = +85°C

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	14.68	22.42	12.02	11.14	1.20	0.86	16.65	14.87	7.66
50	16.24	20.49	14.35	13.97	1.08	0.60	21.33	15.52	5.85
100	17.22	19.53	17.84	18.84	1.03	0.39	28.11	14.52	4.71
150	17.42	19.38	21.68	23.15	1.02	0.36	28.62	14.65	4.40
200	17.43	19.41	24.98	25.62	1.03	0.36	28.64	14.80	4.28
250	17.39	19.48	27.73	26.57	1.03	0.38	29.66	15.19	4.19
300	17.34	19.53	29.41	26.49	1.03	0.39	28.10	14.93	4.22
350	17.32	19.58	30.55	26.37	1.03	0.40	28.88	15.29	4.24
400	17.28	19.61	30.82	26.05	1.03	0.41	28.51	15.43	4.13
450	17.25	19.64	30.40	25.80	1.04	0.42	28.94	15.41	4.16
500	17.23	19.66	29.70	25.69	1.04	0.43	28.31	15.52	4.24
550	17.20	19.67	28.89	25.63	1.04	0.43	28.09	15.49	4.17
600	17.18	19.69	28.07	25.59	1.04	0.44	29.42	15.39	4.15
650	17.16	19.70	27.29	25.67	1.04	0.44	28.69	15.46	4.24
700	17.14	19.71	26.52	25.67	1.04	0.45	28.65	15.43	4.18
750	17.12	19.72	25.90	25.80	1.04	0.45	28.41	15.45	4.17
800	17.10	19.73	25.30	25.85	1.04	0.46	28.41	15.45	4.24
850	17.09	19.74	24.69	25.91	1.04	0.46	29.45	15.55	4.19
900	17.07	19.74	24.18	25.97	1.04	0.46	28.68	15.52	4.18
950	17.04	19.75	23.73	26.03	1.04	0.47	29.12	15.19	4.43
1000	17.02	19.75	23.22	26.18	1.04	0.47	28.78	15.33	4.20
1500	16.79	19.80	20.18	27.18	1.05	0.51	28.53	15.27	4.29
2000	16.53	19.84	18.12	27.77	1.06	0.55	28.48	15.18	4.22
2500	16.22	19.90	16.78	27.49	1.07	0.59	27.70	15.09	4.26
3000	15.89	19.97	15.88	27.32	1.09	0.63	27.19	14.97	4.29
3500	15.56	20.07	15.58	28.12	1.11	0.67	26.95	14.72	4.25
4000	15.25	20.19	16.05	29.82	1.14	0.71	25.95	14.24	4.26
4500	14.96	20.32	17.14	27.43	1.17	0.73	25.26	13.72	4.31
5000	14.70	20.52	18.99	23.43	1.21	0.75	24.31	13.06	4.32
5500	14.50	20.79	22.36	21.25	1.26	0.76	24.10	12.69	4.47
6000	14.31	21.12	29.45	20.35	1.31	0.78	23.28	12.00	4.49
6500	14.14	21.56	33.53	20.22	1.38	0.81	23.35	11.30	4.57
7000	13.96	22.11	22.84	19.95	1.45	0.85	22.11	10.54	4.68
7500	13.74	22.81	17.68	18.58	1.54	0.89	21.40	9.54	4.95
8000	13.46	23.60	14.16	16.14	1.63	0.94	18.84	8.24	4.98
9000	12.67	24.81	8.85	10.54	1.62	1.02	16.96	7.11	5.18
10000	11.61	23.80	5.56	6.41	1.02	1.04	15.97	5.93	5.47
11000	10.42	21.27	3.74	4.39	0.45	1.01	12.92	4.67	5.80
12000	8.28	19.70	2.68	3.32	0.25	0.94	10.50	3.87	6.39

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 = 5.25V, Id = 51mA @ Temperature = +85°C

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	15.91	21.67	15.36	13.84	1.13	0.75	24.38	16.25	5.47
50	16.70	20.67	17.49	15.92	1.07	0.59	25.42	17.57	5.23
100	17.29	19.83	20.41	19.83	1.04	0.43	26.89	17.17	4.70
150	17.53	19.60	23.75	24.24	1.03	0.37	29.44	17.10	4.48
200	17.59	19.59	27.01	27.63	1.03	0.37	30.16	17.09	4.38
250	17.58	19.63	29.47	29.54	1.03	0.38	29.26	17.11	4.27
300	17.54	19.68	30.59	29.80	1.03	0.39	30.42	17.04	4.30
350	17.52	19.72	30.49	29.67	1.03	0.40	31.33	17.08	4.36
400	17.48	19.75	30.09	29.20	1.03	0.41	30.87	17.07	4.22
450	17.45	19.77	29.27	28.75	1.03	0.41	32.69	17.05	4.26
500	17.43	19.79	28.30	28.54	1.03	0.42	31.91	17.13	4.34
550	17.40	19.81	27.52	28.39	1.04	0.43	30.82	17.11	4.28
600	17.38	19.82	26.71	28.24	1.04	0.43	33.18	17.11	4.25
650	17.36	19.83	25.94	28.27	1.04	0.44	31.54	17.08	4.35
700	17.34	19.84	25.27	28.20	1.04	0.44	32.36	17.06	4.32
750	17.32	19.85	24.69	28.27	1.04	0.45	31.58	17.05	4.27
800	17.30	19.85	24.14	28.26	1.04	0.45	31.31	17.06	4.35
850	17.29	19.86	23.61	28.27	1.04	0.45	32.48	17.12	4.31
900	17.27	19.87	23.15	28.29	1.04	0.46	31.57	17.09	4.32
950	17.24	19.87	22.77	28.28	1.04	0.46	31.71	16.94	4.63
1000	17.22	19.88	22.31	28.38	1.04	0.47	31.00	16.91	4.30
1500	16.99	19.91	19.52	28.79	1.05	0.50	30.98	16.87	4.38
2000	16.72	19.94	17.61	28.80	1.05	0.54	30.23	16.76	4.33
2500	16.41	20.00	16.35	27.99	1.07	0.59	29.48	16.52	4.38
3000	16.08	20.06	15.49	26.73	1.08	0.63	28.58	16.33	4.42
3500	15.74	20.16	15.17	25.89	1.10	0.67	27.85	15.88	4.39
4000	15.43	20.28	15.57	25.51	1.13	0.71	26.83	15.24	4.40
4500	15.14	20.43	16.53	24.22	1.16	0.73	25.99	14.69	4.45
5000	14.89	20.63	18.17	22.38	1.20	0.75	25.09	14.01	4.50
5500	14.72	20.91	21.19	21.43	1.25	0.76	24.56	13.62	4.63
6000	14.55	21.27	27.40	21.61	1.31	0.78	23.88	12.68	4.67
6500	14.40	21.75	40.04	22.71	1.37	0.81	24.03	11.95	4.77
7000	14.25	22.34	23.84	23.18	1.45	0.85	22.89	11.20	4.91
7500	14.06	23.13	18.03	21.06	1.55	0.89	22.01	10.08	5.14
8000	13.80	24.02	14.27	17.45	1.66	0.94	19.51	8.77	5.20
9000	13.04	25.33	8.74	10.72	1.65	1.03	17.81	7.80	5.47
10000	11.94	23.95	5.39	6.28	0.96	1.05	16.84	6.47	5.77
11000	10.71	21.14	3.58	4.19	0.38	1.01	13.80	5.32	6.10
12000	8.50	19.52	2.56	3.17	0.19	0.93	11.23	4.62	6.73