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 = 8.00V, Id = 236mA @ 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)
20	23.65	26.47	10.44	14.98	1.02	0.46	37.83	26.16	1.52
30	23.29	26.02	11.37	14.91	1.02	0.45	39.91	26.25	1.73
40	23.06	25.93	11.78	14.24	1.03	0.45	40.11	27.45	1.35
50	22.89	25.32	11.99	13.75	1.02	0.38	39.72	27.75	1.37
60	22.82	25.64	12.17	13.61	1.03	0.43	41.71	27.43	1.36
70	22.76	25.68	12.28	13.43	1.03	0.43	47.00	27.26	1.35
80	22.71	25.61	12.32	13.36	1.03	0.43	46.38	27.52	1.38
90	22.68	25.60	12.36	13.31	1.03	0.43	41.24	27.87	1.42
100	22.66	25.63	12.40	13.25	1.04	0.43	39.34	27.57	1.42
150	22.59	25.59	12.46	13.18	1.04	0.43	42.26	27.69	1.38
200	22.55	25.61	12.45	13.16	1.04	0.44	43.06	27.80	1.40
250	22.52	25.66	12.40	13.20	1.04	0.45	40.83	27.90	1.36
300	22.49	25.69	12.37	13.22	1.05	0.46	41.47	28.06	1.38
350	22.46	25.77	12.26	13.25	1.05	0.47	38.36	28.08	1.38
400	22.43	25.78	12.16	13.30	1.05	0.48	40.73	28.09	1.42
450	22.39	25.91	12.03	13.32	1.06	0.50	41.80	27.94	1.39
500	22.35	25.92	11.82	13.37	1.06	0.50	42.10	27.86	1.40
550	22.30	26.07	11.67	13.35	1.07	0.53	44.94	28.18	1.40
600	22.25	26.20	11.45	13.33	1.07	0.55	41.73	28.04	1.47
650	22.19	26.28	11.23	13.26	1.08	0.56	42.95	28.15	1.47
700	22.14	26.37	11.05	13.17	1.08	0.57	40.51	28.06	1.45
750	22.06	26.45	10.85	13.04	1.09	0.59	44.14	27.98	1.42
800	21.99	26.62	10.69	12.92	1.10	0.61	42.21	27.96	1.42
850	21.92	26.74	10.55	12.79	1.10	0.63	41.75	28.15	1.42
900	21.86	26.88	10.39	12.62	1.11	0.64	43.41	28.12	1.42
950	21.79	26.99	10.23	12.45	1.12	0.65	42.74	28.16	1.44
1000	21.72	27.09	10.12	12.21	1.13	0.67	41.51	28.43	1.41
1100	21.57	27.41	9.95	11.73	1.15	0.69	42.36	28.22	1.47
1200	21.43	27.69	9.90	11.22	1.17	0.71	43.66	28.30	1.47
1300	21.28	27.98	10.01	10.73	1.19	0.73	41.50	28.20	1.51
1400	21.15	28.31	10.21	10.26	1.22	0.74	41.93	28.13	1.51
1500	21.03	28.63	10.55	9.79	1.25	0.75	42.47	28.10	1.51
1600	20.91	28.87	11.03	9.39	1.27	0.75	42.06	27.93	1.54
1700	20.80	29.23	11.64	9.03	1.31	0.76	42.90	27.39	1.54
1800	20.67	29.57	12.31	8.73	1.34	0.77	43.16	28.00	1.56
1900	20.53	29.89	12.83	8.45	1.37	0.78	44.21	27.78	1.62
2000	20.35	30.38	12.93	8.21	1.42	0.80	41.42	27.69	1.67
2100	20.13	30.85	12.33	7.97	1.47	0.83	40.45	27.51	1.76
2200	19.85	31.39	11.10	7.77	1.51	0.86	41.81	27.48	1.91
2300	19.48	32.02	9.61	7.55	1.57	0.91	43.52	27.23	2.06
2400	19.04	32.62	8.14	7.32	1.62	0.95	43.56	26.77	2.30
2500	18.51	33.30	6.82	7.07	1.67	1.00	45.11	27.22	2.56

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 = 7.60V, Id = 224mA @ 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)
20	23.64	26.42	10.43	14.93	1.02	0.46	37.10	25.81	1.43
30	23.29	26.11	11.40	14.80	1.02	0.46	37.46	25.89	1.34
40	23.06	25.81	11.84	14.20	1.02	0.43	42.33	27.04	1.29
50	22.88	26.31	12.33	13.56	1.05	0.50	38.72	27.41	1.33
60	22.82	25.68	12.28	13.54	1.03	0.43	42.21	27.07	1.30
70	22.76	25.60	12.37	13.37	1.03	0.42	41.75	26.92	1.30
80	22.71	25.55	12.41	13.31	1.03	0.42	39.46	27.17	1.34
90	22.68	25.60	12.48	13.23	1.04	0.43	43.53	27.22	1.36
100	22.66	25.54	12.51	13.20	1.03	0.42	37.86	27.20	1.34
150	22.59	25.59	12.56	13.09	1.04	0.43	42.24	27.31	1.42
200	22.55	25.61	12.57	13.12	1.04	0.44	42.46	27.45	1.37
250	22.52	25.58	12.54	13.19	1.04	0.44	38.55	27.57	1.34
300	22.49	25.64	12.51	13.21	1.05	0.45	41.92	27.73	1.32
350	22.46	25.68	12.41	13.30	1.05	0.46	41.61	27.71	1.35
400	22.43	25.84	12.30	13.36	1.05	0.48	41.84	27.72	1.38
450	22.40	25.86	12.16	13.43	1.06	0.49	43.02	27.61	1.34
500	22.35	25.91	11.95	13.52	1.06	0.51	42.72	27.47	1.37
550	22.30	26.04	11.76	13.52	1.07	0.53	44.56	27.81	1.39
600	22.25	26.16	11.55	13.55	1.07	0.55	47.18	27.72	1.43
650	22.19	26.23	11.34	13.49	1.08	0.56	41.99	27.76	1.43
700	22.13	26.38	11.14	13.40	1.08	0.58	43.66	27.68	1.40
750	22.06	26.47	10.93	13.31	1.09	0.60	42.19	27.59	1.40
800	21.99	26.63	10.78	13.16	1.10	0.62	42.07	27.56	1.41
850	21.92	26.74	10.63	13.04	1.11	0.63	42.16	27.83	1.41
900	21.86	26.83	10.46	12.86	1.11	0.64	40.39	27.72	1.40
950	21.79	26.98	10.31	12.66	1.12	0.66	42.83	27.75	1.41
1000	21.73	27.11	10.20	12.41	1.13	0.67	42.72	28.04	1.37
1100	21.58	27.37	10.04	11.90	1.15	0.69	41.55	27.85	1.43
1200	21.44	27.63	10.02	11.38	1.17	0.71	43.81	27.93	1.46
1300	21.30	27.95	10.14	10.84	1.19	0.73	41.71	27.82	1.43
1400	21.17	28.20	10.36	10.36	1.21	0.74	44.66	27.76	1.49
1500	21.06	28.49	10.71	9.88	1.24	0.74	43.71	27.81	1.50
1600	20.94	28.78	11.18	9.48	1.26	0.75	41.74	27.56	1.49
1700	20.83	29.16	11.75	9.15	1.30	0.76	45.53	26.99	1.50
1800	20.70	29.46	12.32	8.85	1.33	0.77	44.51	27.65	1.51
1900	20.55	29.85	12.68	8.57	1.36	0.79	43.38	27.42	1.55
2000	20.36	30.28	12.55	8.34	1.40	0.81	43.23	27.32	1.60
2100	20.13	30.67	11.83	8.12	1.43	0.84	42.43	27.13	1.72
2200	19.85	31.25	10.61	7.90	1.48	0.88	43.11	27.07	1.83
2300	19.48	31.89	9.21	7.68	1.54	0.92	41.64	26.82	1.97
2400	19.05	32.54	7.83	7.45	1.59	0.97	41.69	26.24	2.17
2500	18.54	33.13	6.58	7.19	1.61	1.02	42.32	26.73	2.47

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 = 8.40V, Id = 245mA @ 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)
20	23.61	26.56	10.45	15.05	1.02	0.48	36.92	26.78	1.58
30	23.26	26.14	11.38	14.95	1.02	0.47	40.85	26.80	1.45
40	23.03	25.84	11.79	14.35	1.02	0.44	38.34	28.15	1.42
50	22.86	26.24	11.99	13.68	1.05	0.50	40.17	28.31	1.45
60	22.79	25.72	12.18	13.67	1.03	0.44	39.45	28.03	1.43
70	22.73	25.68	12.26	13.50	1.03	0.44	42.62	27.78	1.42
80	22.69	25.56	12.32	13.43	1.03	0.42	41.87	28.20	1.45
90	22.66	25.65	12.36	13.35	1.04	0.44	40.70	28.50	1.47
100	22.63	25.59	12.37	13.31	1.04	0.43	38.77	28.06	1.50
150	22.57	25.66	12.45	13.21	1.04	0.44	41.54	28.32	1.53
200	22.52	25.65	12.45	13.20	1.04	0.45	39.84	28.43	1.46
250	22.49	25.60	12.41	13.27	1.04	0.45	38.43	28.52	1.46
300	22.47	25.67	12.38	13.27	1.05	0.46	41.71	28.68	1.47
350	22.43	25.69	12.28	13.32	1.05	0.47	41.32	28.70	1.49
400	22.40	25.81	12.18	13.35	1.05	0.48	41.08	28.71	1.49
450	22.37	25.88	12.07	13.38	1.06	0.50	42.61	28.60	1.47
500	22.32	26.00	11.84	13.43	1.06	0.52	42.73	28.50	1.47
550	22.28	26.08	11.67	13.39	1.07	0.53	42.93	28.79	1.50
600	22.22	26.17	11.46	13.38	1.07	0.55	42.51	28.73	1.53
650	22.16	26.30	11.25	13.28	1.08	0.57	40.91	28.83	1.56
700	22.11	26.47	11.08	13.15	1.09	0.59	43.00	28.71	1.53
750	22.03	26.56	10.87	13.04	1.09	0.60	41.92	28.64	1.49
800	21.96	26.69	10.71	12.87	1.10	0.62	42.55	28.68	1.52
850	21.89	26.82	10.58	12.72	1.11	0.63	43.78	28.83	1.52
900	21.83	26.90	10.42	12.52	1.12	0.64	42.43	28.80	1.52
950	21.77	26.99	10.28	12.31	1.12	0.65	42.76	28.88	1.53
1000	21.70	27.19	10.17	12.07	1.13	0.67	41.46	29.05	1.50
1100	21.55	27.46	10.03	11.54	1.15	0.69	44.14	28.83	1.55
1200	21.41	27.70	10.01	11.03	1.17	0.71	41.99	28.91	1.57
1300	21.28	28.01	10.12	10.51	1.19	0.72	40.31	28.83	1.56
1400	21.15	28.32	10.35	10.05	1.22	0.73	41.65	28.74	1.62
1500	21.03	28.62	10.71	9.58	1.25	0.74	41.73	28.69	1.59
1600	20.92	28.94	11.17	9.21	1.28	0.75	41.42	28.54	1.64
1700	20.80	29.25	11.73	8.88	1.30	0.76	42.42	28.09	1.65
1800	20.67	29.56	12.29	8.58	1.33	0.76	43.53	28.60	1.63
1900	20.52	29.87	12.62	8.31	1.36	0.78	39.87	28.36	1.68
2000	20.33	30.45	12.46	8.08	1.42	0.81	42.01	28.27	1.73
2100	20.10	30.94	11.72	7.85	1.46	0.83	40.20	28.08	1.81
2200	19.81	31.50	10.51	7.62	1.51	0.87	42.19	28.07	1.93
2300	19.44	32.08	9.11	7.40	1.55	0.91	44.11	27.80	2.15
2400	19.00	32.70	7.74	7.16	1.59	0.96	43.76	27.36	2.34
2500	18.49	33.34	6.53	6.90	1.63	1.00	40.11	27.67	2.63

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 = 8.00V, Id = 242mA @ 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)
20	23.76	26.40	10.24	14.93	1.01	0.45	36.70	26.47	1.33
30	23.41	26.06	11.31	14.74	1.02	0.44	39.75	26.41	1.16
40	23.18	25.80	11.81	14.16	1.02	0.42	44.92	27.86	1.06
50	23.01	26.39	12.26	13.53	1.05	0.49	43.08	28.32	1.09
60	22.94	25.62	12.31	13.50	1.03	0.41	43.00	27.83	1.07
70	22.88	25.53	12.43	13.35	1.03	0.40	43.45	27.50	1.08
80	22.83	25.55	12.49	13.31	1.03	0.40	42.89	27.90	1.07
90	22.81	25.53	12.59	13.26	1.03	0.40	40.72	28.37	1.09
100	22.78	25.51	12.64	13.24	1.03	0.40	38.32	27.93	1.09
150	22.72	25.54	12.82	13.20	1.03	0.41	43.53	28.03	1.09
200	22.68	25.56	12.81	13.19	1.04	0.42	43.68	28.14	1.09
250	22.66	25.57	12.77	13.18	1.04	0.42	37.64	28.35	1.08
300	22.64	25.63	12.71	13.15	1.04	0.43	44.39	28.51	1.11
350	22.61	25.66	12.61	13.17	1.04	0.44	38.24	28.53	1.11
400	22.58	25.74	12.55	13.23	1.05	0.45	40.29	28.49	1.12
450	22.56	25.78	12.47	13.30	1.05	0.46	42.85	28.34	1.06
500	22.52	25.85	12.27	13.35	1.05	0.47	41.88	28.23	1.08
550	22.48	25.93	12.13	13.36	1.06	0.49	42.93	28.62	1.11
600	22.44	25.96	11.93	13.35	1.06	0.50	42.94	28.44	1.12
650	22.39	26.14	11.73	13.32	1.07	0.52	42.64	28.57	1.12
700	22.34	26.20	11.58	13.23	1.07	0.53	44.02	28.47	1.11
750	22.28	26.38	11.37	13.13	1.08	0.56	45.53	28.31	1.10
800	22.21	26.49	11.23	13.01	1.08	0.57	44.99	28.37	1.12
850	22.15	26.58	11.13	12.91	1.09	0.59	43.21	28.62	1.12
900	22.10	26.67	10.97	12.78	1.10	0.60	42.90	28.58	1.13
950	22.04	26.75	10.83	12.63	1.10	0.61	42.39	28.50	1.13
1000	21.99	26.84	10.72	12.43	1.11	0.62	44.94	28.92	1.10
1100	21.86	27.18	10.57	11.96	1.13	0.65	41.04	28.80	1.12
1200	21.73	27.37	10.56	11.49	1.14	0.67	44.10	28.96	1.15
1300	21.61	27.66	10.68	10.99	1.16	0.68	45.50	28.76	1.14
1400	21.50	27.93	10.91	10.52	1.18	0.70	43.04	28.72	1.19
1500	21.39	28.22	11.29	10.06	1.20	0.71	41.48	28.82	1.19
1600	21.28	28.52	11.83	9.68	1.23	0.72	43.12	28.62	1.16
1700	21.18	28.77	12.51	9.35	1.25	0.72	41.84	27.96	1.14
1800	21.07	29.15	13.25	9.07	1.28	0.74	42.12	28.65	1.16
1900	20.95	29.54	13.79	8.82	1.32	0.76	42.87	28.52	1.21
2000	20.78	29.98	13.80	8.60	1.35	0.78	40.67	28.34	1.21
2100	20.59	30.35	13.07	8.40	1.38	0.81	41.24	28.31	1.28
2200	20.34	30.84	11.67	8.21	1.42	0.85	39.50	28.17	1.36
2300	20.02	31.40	10.04	8.00	1.45	0.90	39.92	28.01	1.51
2400	19.62	32.00	8.48	7.78	1.49	0.95	39.96	27.58	1.72
2500	19.16	32.78	7.10	7.52	1.54	1.00	40.53	27.99	1.85

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 = 7.60V, Id = 229mA @ 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)
20	23.75	26.49	10.27	14.90	1.01	0.46	40.03	26.05	1.24
30	23.39	26.08	11.35	14.78	1.02	0.44	39.61	26.06	1.04
40	23.16	25.75	11.86	14.20	1.02	0.41	39.82	27.43	0.99
50	22.99	25.89	12.14	13.60	1.03	0.44	41.13	27.93	1.02
60	22.92	25.55	12.35	13.56	1.02	0.40	45.28	27.48	1.02
70	22.86	25.56	12.50	13.40	1.03	0.40	43.38	27.20	1.00
80	22.82	25.53	12.57	13.36	1.03	0.40	40.73	27.49	1.01
90	22.79	25.58	12.64	13.31	1.03	0.41	43.11	27.93	1.05
100	22.77	25.48	12.70	13.28	1.03	0.40	40.06	27.53	1.06
150	22.71	25.45	12.87	13.25	1.03	0.40	42.83	27.63	1.07
200	22.67	25.48	12.89	13.24	1.04	0.41	42.63	27.78	1.06
250	22.64	25.46	12.81	13.23	1.04	0.41	42.08	27.95	1.05
300	22.62	25.57	12.78	13.20	1.04	0.42	41.32	28.11	1.04
350	22.59	25.59	12.68	13.23	1.04	0.43	38.15	28.13	1.08
400	22.57	25.71	12.61	13.29	1.05	0.45	38.29	28.08	1.08
450	22.54	25.77	12.52	13.36	1.05	0.46	41.36	27.92	1.07
500	22.51	25.82	12.32	13.41	1.05	0.47	42.12	27.74	1.09
550	22.47	25.89	12.17	13.42	1.05	0.49	42.43	28.21	1.10
600	22.43	26.02	11.96	13.41	1.06	0.51	43.12	28.02	1.14
650	22.37	26.09	11.76	13.38	1.06	0.52	44.08	28.14	1.13
700	22.33	26.27	11.60	13.31	1.07	0.54	45.63	28.05	1.12
750	22.26	26.33	11.40	13.20	1.08	0.56	45.90	27.88	1.08
800	22.19	26.46	11.23	13.08	1.08	0.58	43.07	27.86	1.11
850	22.13	26.55	11.13	12.97	1.09	0.59	42.81	28.18	1.12
900	22.08	26.65	10.97	12.84	1.10	0.60	43.04	28.14	1.10
950	22.03	26.78	10.83	12.68	1.10	0.62	46.61	28.06	1.10
1000	21.97	26.88	10.71	12.47	1.11	0.63	46.20	28.48	1.07
1100	21.84	27.16	10.56	12.01	1.13	0.65	43.26	28.36	1.10
1200	21.72	27.38	10.55	11.51	1.14	0.67	43.83	28.52	1.15
1300	21.60	27.64	10.66	11.02	1.16	0.69	41.52	28.24	1.15
1400	21.48	27.92	10.89	10.54	1.18	0.70	43.74	28.27	1.17
1500	21.37	28.24	11.28	10.09	1.21	0.71	42.06	28.39	1.15
1600	21.27	28.50	11.81	9.70	1.23	0.72	41.84	28.11	1.17
1700	21.17	28.84	12.48	9.37	1.26	0.73	40.87	27.51	1.20
1800	21.06	29.10	13.23	9.08	1.28	0.74	42.61	28.22	1.15
1900	20.93	29.49	13.79	8.83	1.31	0.76	42.65	28.10	1.17
2000	20.77	29.89	13.82	8.62	1.35	0.78	41.28	27.91	1.26
2100	20.58	30.35	13.08	8.42	1.38	0.81	39.96	27.89	1.27
2200	20.33	30.86	11.69	8.22	1.42	0.85	40.48	27.66	1.39
2300	20.01	31.45	10.06	8.02	1.46	0.90	40.21	27.57	1.49
2400	19.62	32.03	8.50	7.80	1.50	0.95	39.05	27.12	1.64
2500	19.16	32.74	7.11	7.55	1.54	1.00	39.51	27.54	1.87

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 = 8.40V, Id = 256mA @ 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)
20	23.77	26.34	10.29	14.88	1.01	0.43	38.76	26.89	1.42
30	23.42	26.09	11.27	14.68	1.02	0.44	35.66	26.72	1.20
40	23.19	25.81	11.77	14.11	1.02	0.42	44.16	28.29	1.11
50	23.02	26.34	12.06	13.46	1.04	0.49	40.90	28.68	1.11
60	22.95	25.68	12.23	13.46	1.03	0.41	40.73	28.22	1.10
70	22.89	25.65	12.36	13.32	1.03	0.41	43.31	27.82	1.08
80	22.85	25.59	12.43	13.26	1.03	0.41	42.59	28.28	1.12
90	22.82	25.58	12.50	13.20	1.03	0.41	40.91	28.78	1.10
100	22.79	25.53	12.56	13.19	1.03	0.40	39.33	28.20	1.12
150	22.73	25.53	12.71	13.16	1.03	0.41	40.96	28.40	1.10
200	22.69	25.58	12.75	13.14	1.04	0.42	40.96	28.54	1.10
250	22.67	25.53	12.66	13.13	1.04	0.41	39.02	28.71	1.10
300	22.65	25.62	12.64	13.09	1.04	0.43	40.90	28.88	1.10
350	22.62	25.65	12.55	13.13	1.04	0.43	39.89	28.90	1.13
400	22.59	25.80	12.48	13.17	1.05	0.46	39.03	28.90	1.14
450	22.57	25.79	12.39	13.25	1.05	0.46	39.88	28.76	1.07
500	22.53	25.86	12.22	13.29	1.05	0.47	44.15	28.59	1.10
550	22.49	25.92	12.06	13.31	1.05	0.49	44.06	29.04	1.12
600	22.44	26.04	11.88	13.29	1.06	0.50	42.22	28.87	1.15
650	22.40	26.13	11.69	13.25	1.06	0.52	44.07	29.00	1.18
700	22.35	26.26	11.54	13.17	1.07	0.54	43.51	28.85	1.14
750	22.28	26.40	11.34	13.08	1.08	0.56	41.09	28.75	1.12
800	22.22	26.49	11.19	12.95	1.08	0.57	43.88	28.74	1.14
850	22.15	26.56	11.10	12.86	1.09	0.59	42.62	29.06	1.16
900	22.10	26.75	10.95	12.73	1.10	0.61	44.80	29.03	1.16
950	22.05	26.80	10.81	12.57	1.10	0.61	41.84	28.95	1.17
1000	21.99	26.93	10.69	12.36	1.11	0.63	42.40	29.36	1.13
1100	21.86	27.16	10.56	11.90	1.12	0.65	44.37	29.24	1.16
1200	21.74	27.41	10.56	11.44	1.14	0.67	42.90	29.39	1.17
1300	21.62	27.70	10.67	10.94	1.16	0.69	41.76	29.21	1.19
1400	21.50	28.01	10.90	10.48	1.19	0.70	43.05	29.15	1.20
1500	21.39	28.28	11.30	10.02	1.21	0.71	44.15	29.25	1.18
1600	21.28	28.58	11.84	9.64	1.23	0.72	42.01	28.99	1.19
1700	21.18	28.88	12.51	9.31	1.26	0.73	41.41	28.41	1.22
1800	21.07	29.24	13.23	9.02	1.29	0.74	41.72	29.07	1.19
1900	20.95	29.51	13.76	8.77	1.31	0.76	41.63	28.88	1.23
2000	20.78	29.97	13.74	8.55	1.35	0.78	41.03	28.76	1.25
2100	20.58	30.49	12.98	8.35	1.40	0.82	41.53	28.72	1.31
2200	20.33	30.88	11.60	8.15	1.42	0.85	39.72	28.60	1.40
2300	20.00	31.45	9.97	7.95	1.46	0.90	40.61	28.44	1.52
2400	19.61	32.15	8.43	7.73	1.51	0.95	40.74	28.03	1.71
2500	19.15	32.84	7.05	7.47	1.55	1.00	40.13	28.38	1.86

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 = 8.00V, Id = 211mA @ Temperature = +95°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)
20	23.05	26.66	10.93	15.29	1.05	0.56	34.94	25.27	2.08
30	22.74	26.19	11.80	15.42	1.05	0.54	36.28	25.71	1.98
40	22.54	25.94	12.18	14.88	1.05	0.52	37.46	26.61	1.91
50	22.38	26.21	12.58	14.28	1.07	0.55	38.12	26.67	1.97
60	22.32	25.76	12.57	14.17	1.05	0.51	38.32	26.59	1.96
70	22.27	25.71	12.63	14.00	1.05	0.50	38.53	26.65	1.96
80	22.23	25.74	12.65	13.92	1.06	0.51	38.61	26.77	1.98
90	22.20	25.64	12.70	13.85	1.06	0.50	38.84	26.76	2.00
100	22.18	25.61	12.72	13.81	1.06	0.50	38.07	26.80	2.02
150	22.11	25.67	12.70	13.68	1.06	0.51	38.85	26.96	2.02
200	22.07	25.68	12.61	13.69	1.06	0.51	40.36	27.10	2.00
250	22.04	25.78	12.48	13.77	1.07	0.53	41.06	27.06	2.03
300	22.01	25.80	12.37	13.82	1.07	0.53	40.28	27.21	2.02
350	21.97	25.88	12.18	13.91	1.07	0.55	39.23	27.21	2.03
400	21.93	25.98	11.99	13.94	1.08	0.56	41.32	27.20	2.06
450	21.89	25.97	11.75	14.01	1.08	0.57	41.40	27.13	2.00
500	21.84	26.13	11.46	14.04	1.09	0.59	40.19	27.12	2.01
550	21.79	26.21	11.21	14.05	1.09	0.61	39.32	27.19	2.03
600	21.73	26.31	10.94	13.99	1.10	0.62	39.38	27.19	2.08
650	21.67	26.46	10.69	13.92	1.11	0.64	39.41	27.24	2.09
700	21.60	26.55	10.48	13.79	1.11	0.66	39.03	27.17	2.06
750	21.53	26.70	10.26	13.66	1.12	0.67	40.21	27.12	1.99
800	21.46	26.80	10.09	13.50	1.13	0.69	39.48	27.07	2.03
850	21.39	26.94	9.93	13.31	1.14	0.70	39.53	27.08	2.03
900	21.32	27.10	9.76	13.08	1.15	0.72	38.62	27.05	2.07
950	21.26	27.16	9.64	12.84	1.16	0.72	40.96	27.27	2.08
1000	21.19	27.36	9.53	12.57	1.17	0.74	40.35	27.33	2.01
1100	21.05	27.64	9.43	12.00	1.19	0.76	40.29	26.94	2.02
1200	20.92	27.87	9.45	11.40	1.21	0.77	39.61	27.10	2.08
1300	20.80	28.16	9.59	10.83	1.24	0.77	39.12	27.15	2.07
1400	20.69	28.47	9.84	10.29	1.26	0.78	39.82	27.00	2.11
1500	20.59	28.73	10.20	9.78	1.29	0.78	40.45	26.90	2.11
1600	20.48	29.09	10.66	9.33	1.32	0.79	40.33	26.78	2.13
1700	20.37	29.41	11.19	8.93	1.35	0.79	40.57	26.38	2.13
1800	20.25	29.74	11.64	8.56	1.38	0.79	40.22	26.88	2.12
1900	20.10	30.16	11.81	8.23	1.42	0.81	40.26	26.60	2.22
2000	19.91	30.63	11.54	7.95	1.46	0.83	40.09	26.55	2.25
2100	19.67	31.14	10.78	7.67	1.50	0.86	40.48	26.22	2.38
2200	19.37	31.73	9.63	7.40	1.55	0.89	38.90	26.30	2.52
2300	18.98	32.17	8.34	7.13	1.56	0.93	39.16	25.92	2.72
2400	18.52	32.91	7.12	6.88	1.62	0.97	38.43	25.52	2.99
2500	17.99	33.64	6.01	6.59	1.66	1.01	40.41	25.87	3.26

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 = 7.60V, Id = 204mA @ Temperature = +95°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)
20	23.07	26.62	10.82	15.08	1.05	0.55	35.42	24.91	1.97
30	22.76	26.18	11.83	15.23	1.05	0.53	35.82	25.39	1.84
40	22.56	25.93	12.26	14.70	1.05	0.51	38.78	26.21	1.80
50	22.40	25.67	12.65	14.18	1.05	0.49	37.90	26.34	1.85
60	22.34	25.75	12.64	14.02	1.05	0.50	37.92	26.26	1.86
70	22.28	25.70	12.72	13.85	1.05	0.50	38.82	26.35	1.84
80	22.24	25.72	12.75	13.77	1.06	0.50	38.72	26.39	1.86
90	22.22	25.63	12.81	13.71	1.05	0.49	37.80	26.43	1.90
100	22.19	25.64	12.82	13.67	1.06	0.49	36.30	26.47	1.90
150	22.13	25.63	12.82	13.55	1.06	0.50	37.08	26.61	1.92
200	22.08	25.67	12.71	13.57	1.06	0.51	38.37	26.76	1.91
250	22.05	25.71	12.59	13.65	1.06	0.52	36.73	26.73	1.89
300	22.02	25.76	12.45	13.73	1.07	0.53	38.08	26.88	1.89
350	21.98	25.87	12.25	13.82	1.07	0.54	38.97	26.89	1.91
400	21.95	25.89	12.03	13.90	1.08	0.55	38.64	26.87	1.94
450	21.91	25.99	11.78	13.98	1.08	0.57	38.89	26.81	1.88
500	21.86	26.10	11.49	14.03	1.09	0.59	42.26	26.79	1.92
550	21.81	26.23	11.24	14.06	1.09	0.61	39.94	26.88	1.93
600	21.75	26.27	10.97	14.03	1.10	0.62	38.92	26.86	1.95
650	21.68	26.44	10.69	14.00	1.11	0.64	39.20	26.92	1.98
700	21.62	26.51	10.50	13.90	1.11	0.65	40.11	26.79	1.93
750	21.55	26.65	10.26	13.78	1.12	0.67	40.80	26.79	1.91
800	21.48	26.80	10.07	13.64	1.13	0.69	40.36	26.75	1.92
850	21.41	26.89	9.92	13.48	1.14	0.70	40.45	26.78	1.93
900	21.34	27.06	9.75	13.27	1.15	0.72	39.65	26.74	1.94
950	21.28	27.15	9.62	13.01	1.15	0.73	39.79	26.94	1.95
1000	21.21	27.28	9.52	12.76	1.16	0.74	39.74	27.02	1.90
1100	21.08	27.52	9.42	12.18	1.18	0.75	38.90	26.64	1.92
1200	20.95	27.83	9.43	11.59	1.21	0.77	39.92	26.80	1.99
1300	20.83	28.17	9.58	11.00	1.24	0.78	39.76	26.76	1.98
1400	20.72	28.37	9.83	10.45	1.25	0.78	40.90	26.69	2.01
1500	20.61	28.69	10.19	9.93	1.28	0.78	39.81	26.61	1.98
1600	20.51	28.98	10.65	9.47	1.31	0.78	40.29	26.47	2.01
1700	20.40	29.37	11.18	9.07	1.35	0.79	40.96	26.06	2.03
1800	20.28	29.68	11.64	8.69	1.38	0.80	40.28	26.57	2.01
1900	20.13	30.00	11.83	8.36	1.40	0.81	40.50	26.30	2.07
2000	19.94	30.44	11.57	8.07	1.44	0.83	41.85	26.17	2.16
2100	19.70	30.98	10.82	7.80	1.48	0.86	41.28	25.91	2.27
2200	19.40	31.38	9.67	7.54	1.50	0.89	43.33	25.90	2.39
2300	19.01	32.07	8.39	7.28	1.55	0.93	40.32	25.61	2.60
2400	18.55	32.71	7.14	7.03	1.60	0.98	39.99	25.20	2.86
2500	18.02	33.32	6.03	6.75	1.61	1.02	41.45	25.55	3.17

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 = 8.40V, Id = 217mA @ Temperature = +95°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)
20	22.95	26.84	11.00	15.20	1.06	0.58	35.89	25.50	2.23
30	22.65	26.22	11.88	15.50	1.05	0.55	35.99	25.99	2.08
40	22.45	25.97	12.22	14.99	1.05	0.53	38.01	26.91	2.02
50	22.30	25.32	12.49	14.50	1.04	0.46	37.61	26.86	2.03
60	22.24	25.79	12.56	14.28	1.06	0.52	37.08	26.87	2.03
70	22.19	25.78	12.62	14.10	1.06	0.52	39.00	26.89	2.06
80	22.15	25.76	12.64	14.02	1.06	0.52	38.35	27.05	2.06
90	22.12	25.69	12.68	13.97	1.06	0.51	39.51	27.01	2.10
100	22.10	25.74	12.68	13.90	1.06	0.52	36.29	27.09	2.10
150	22.04	25.68	12.65	13.78	1.06	0.52	38.51	27.25	2.10
200	21.99	25.71	12.55	13.78	1.07	0.52	37.98	27.36	2.09
250	21.96	25.84	12.41	13.82	1.07	0.54	36.41	27.34	2.11
300	21.93	25.87	12.29	13.88	1.08	0.55	39.07	27.44	2.07
350	21.90	25.92	12.08	13.93	1.08	0.56	38.57	27.45	2.14
400	21.86	25.98	11.88	13.96	1.08	0.57	37.93	27.49	2.16
450	21.82	26.01	11.63	14.00	1.09	0.58	38.38	27.39	2.11
500	21.77	26.15	11.35	14.01	1.09	0.60	39.20	27.39	2.11
550	21.72	26.26	11.10	13.98	1.10	0.62	40.60	27.42	2.10
600	21.66	26.41	10.85	13.91	1.11	0.64	39.14	27.49	2.15
650	21.60	26.48	10.59	13.81	1.11	0.65	38.42	27.48	2.18
700	21.54	26.64	10.40	13.66	1.12	0.67	39.26	27.41	2.13
750	21.46	26.74	10.18	13.52	1.13	0.68	38.20	27.43	2.08
800	21.40	26.85	10.01	13.33	1.14	0.69	38.82	27.39	2.14
850	21.33	26.99	9.86	13.14	1.15	0.71	39.27	27.37	2.14
900	21.26	27.14	9.71	12.89	1.16	0.72	38.82	27.28	2.13
950	21.20	27.24	9.58	12.64	1.16	0.73	38.97	27.60	2.10
1000	21.14	27.41	9.50	12.36	1.18	0.74	39.30	27.57	2.07
1100	21.01	27.70	9.41	11.78	1.20	0.76	38.67	27.24	2.11
1200	20.88	27.89	9.45	11.18	1.21	0.76	39.43	27.34	2.13
1300	20.76	28.21	9.60	10.61	1.24	0.77	39.91	27.41	2.13
1400	20.66	28.53	9.85	10.08	1.27	0.78	39.63	27.26	2.14
1500	20.55	28.85	10.21	9.57	1.30	0.78	38.78	27.14	2.18
1600	20.45	29.14	10.68	9.13	1.33	0.78	39.12	27.04	2.15
1700	20.34	29.52	11.20	8.74	1.36	0.78	39.57	26.65	2.18
1800	20.22	29.80	11.63	8.37	1.39	0.79	38.92	27.13	2.20
1900	20.06	30.27	11.78	8.04	1.43	0.80	40.18	26.85	2.28
2000	19.86	30.69	11.48	7.76	1.46	0.82	39.32	26.81	2.33
2100	19.62	31.22	10.71	7.47	1.51	0.85	39.75	26.53	2.48
2200	19.32	31.74	9.56	7.21	1.54	0.88	40.88	26.56	2.63
2300	18.93	32.39	8.29	6.94	1.59	0.92	39.93	26.17	2.83
2400	18.46	33.02	7.07	6.68	1.62	0.96	40.10	25.78	3.09
2500	17.93	33.72	5.98	6.40	1.66	1.00	40.05	26.12	3.40