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)
1	25.00	29.23	11.03	11.06	1.07	0.53	41.17	25.22	2.87
3	25.35	28.74	14.88	22.04	1.06	0.55	40.94	25.32	1.84
5	25.31	28.45	15.47	30.39	1.05	0.54	40.81	25.28	1.49
7	25.20	28.15	15.60	30.86	1.04	0.52	41.00	25.35	1.52
9	25.08	28.09	15.74	27.06	1.03	0.53	41.05	25.55	1.35
10	25.01	27.84	15.62	24.51	1.02	0.52	41.15	25.59	1.40
20	24.36	26.81	15.80	19.35	1.00	0.46	41.83	26.80	1.39
30	23.93	26.44	15.89	17.70	1.01	0.45	42.68	26.68	1.28
40	23.69	26.24	15.95	17.06	1.02	0.44	42.89	26.96	1.26
50	23.56	25.96	15.96	16.69	1.02	0.43	43.33	28.68	1.25
60	23.45	25.98	15.95	16.60	1.03	0.42	43.53	27.46	1.26
70	23.39	25.95	15.94	16.52	1.03	0.42	43.50	27.74	1.28
80	23.35	25.83	15.97	16.46	1.03	0.41	43.49	27.41	1.26
90	23.32	25.87	16.04	16.47	1.03	0.42	43.56	27.87	1.29
100	23.29	25.89	16.05	16.50	1.03	0.42	43.80	28.31	1.30
150	23.23	25.84	16.34	16.82	1.04	0.42	40.24	28.02	1.30
200	23.20	25.88	16.63	17.37	1.04	0.44	43.04	28.04	1.29
250	23.18	25.92	17.07	18.23	1.04	0.45	39.88	28.18	1.29
300	23.16	25.92	17.57	19.30	1.04	0.45	44.87	28.25	1.29
350	23.14	26.01	18.10	20.66	1.05	0.47	39.66	28.34	1.34
400	23.11	26.01	18.74	22.72	1.05	0.48	40.58	28.31	1.35
450	23.07	26.18	19.43	25.77	1.06	0.51	43.22	28.28	1.34
500	22.99	26.26	20.27	31.15	1.07	0.53	42.35	28.46	1.35
550	22.81	26.49	20.85	43.22	1.08	0.58	43.47	28.04	1.36
600	22.53	26.78	18.75	34.76	1.11	0.64	43.37	28.11	1.39
650	22.73	26.69	18.59	30.67	1.10	0.61	40.36	28.11	1.37
700	22.71	26.72	18.98	24.77	1.10	0.61	42.77	28.20	1.38
750	22.61	26.87	18.95	21.24	1.10	0.63	42.38	28.05	1.39
800	22.47	27.11	18.54	18.74	1.12	0.66	41.25	28.03	1.44
850	22.29	27.31	17.87	16.71	1.13	0.68	40.81	27.90	1.39
900	22.03	27.62	16.90	15.03	1.16	0.72	43.27	27.81	1.48
950	21.67	28.10	15.58	13.56	1.21	0.76	40.24	27.06	1.47
1000	21.09	28.66	13.83	12.45	1.28	0.82	41.25	26.95	1.53
1050	20.16	29.70	11.58	12.24	1.44	0.92	39.94	26.39	1.58
1100	19.51	30.45	9.66	14.86	1.61	1.02	39.98	26.20	1.69
1150	19.94	30.04	8.98	18.10	1.50	1.03	42.31	27.05	1.74
1200	20.10	30.00	8.60	14.93	1.43	1.02	40.48	27.17	1.79

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)
1	25.00	29.26	10.98	11.05	1.07	0.53	41.68	24.85	-
3	25.35	28.69	14.73	22.10	1.06	0.55	41.61	24.98	-
5	25.30	28.50	15.31	30.86	1.05	0.54	41.49	24.96	-
7	25.20	28.26	15.46	31.17	1.04	0.54	41.67	25.13	-
9	25.08	28.25	15.63	27.13	1.04	0.55	41.74	25.19	-
10	25.01	27.87	15.45	24.94	1.02	0.52	41.83	25.21	1.31
20	24.36	26.83	15.77	19.25	1.00	0.47	42.49	26.38	1.31
30	23.93	26.39	15.86	17.68	1.01	0.44	43.15	26.32	1.23
40	23.69	26.24	16.00	17.02	1.02	0.44	43.56	26.59	1.21
50	23.56	26.02	15.90	16.71	1.02	0.43	43.78	28.24	1.20
60	23.45	25.97	16.03	16.58	1.03	0.42	44.09	27.10	1.16
70	23.39	25.96	16.03	16.45	1.03	0.43	44.33	27.34	1.18
80	23.35	25.91	16.05	16.40	1.03	0.42	44.19	27.07	1.17
90	23.31	25.89	16.09	16.41	1.03	0.42	44.45	27.47	1.21
100	23.29	25.91	16.13	16.45	1.03	0.43	44.34	27.55	1.25
150	23.23	25.83	16.44	16.76	1.04	0.42	42.96	27.62	1.25
200	23.20	25.87	16.75	17.32	1.04	0.43	40.94	27.64	1.22
250	23.18	25.86	17.16	18.17	1.04	0.44	42.92	27.80	1.22
300	23.16	25.86	17.70	19.25	1.04	0.45	42.17	27.85	1.23
350	23.13	26.00	18.24	20.64	1.05	0.47	38.01	27.95	1.27
400	23.11	26.02	18.87	22.67	1.05	0.48	38.63	27.91	1.25
450	23.06	26.17	19.59	25.70	1.06	0.51	40.84	27.87	1.28
500	22.99	26.19	20.43	31.10	1.06	0.53	42.35	28.01	1.29
550	22.81	26.44	20.99	39.90	1.08	0.57	43.34	27.64	1.27
600	22.53	26.76	18.83	34.06	1.11	0.63	42.43	27.73	1.28
650	22.72	26.64	18.71	32.14	1.09	0.61	41.30	27.71	1.27
700	22.70	26.72	19.08	25.28	1.10	0.61	44.15	27.81	1.35
750	22.61	26.85	19.07	21.57	1.10	0.63	41.78	27.65	1.33
800	22.47	27.04	18.66	18.92	1.12	0.66	43.57	27.65	1.39
850	22.28	27.29	17.97	16.88	1.13	0.68	41.35	27.63	1.36
900	22.03	27.58	16.97	15.15	1.16	0.72	41.94	27.54	1.38
950	21.67	27.99	15.66	13.66	1.20	0.76	41.90	26.84	1.43
1000	21.09	28.68	13.90	12.52	1.28	0.82	41.64	26.63	1.43
1050	20.18	29.59	11.64	12.26	1.43	0.91	40.06	26.19	1.51
1100	19.53	30.42	9.70	14.74	1.60	1.02	40.85	25.90	1.61
1150	19.95	30.04	9.02	18.04	1.49	1.03	41.00	26.70	1.62
1200	20.11	29.90	8.63	15.07	1.42	1.02	41.68	26.83	1.73

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 = 246mA @ 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)
1	24.98	29.11	11.15	11.03	1.07	0.51	40.46	25.58	-
3	25.33	28.89	15.08	21.93	1.07	0.57	40.21	25.69	-
5	25.29	28.63	15.62	29.84	1.06	0.56	40.09	25.76	-
7	25.18	28.35	15.77	30.44	1.05	0.55	40.33	25.84	-
9	25.06	28.05	15.85	27.09	1.03	0.53	40.39	25.93	-
10	25.00	27.83	15.97	25.11	1.03	0.51	40.44	25.95	1.47
20	24.35	26.98	15.86	19.35	1.01	0.48	41.20	27.22	1.46
30	23.91	26.45	15.87	17.86	1.01	0.45	41.80	27.02	1.36
40	23.68	26.18	15.90	17.26	1.02	0.44	42.31	27.31	1.30
50	23.54	26.14	16.02	16.77	1.03	0.43	42.48	29.07	1.31
60	23.44	25.98	15.86	16.75	1.03	0.43	42.71	27.79	1.31
70	23.37	25.90	15.84	16.65	1.03	0.42	42.87	28.15	1.33
80	23.33	25.94	15.89	16.59	1.03	0.43	42.97	27.72	1.32
90	23.30	25.85	15.92	16.60	1.03	0.42	43.08	28.25	1.35
100	23.28	25.91	15.96	16.65	1.03	0.43	43.09	28.68	1.36
150	23.22	25.81	16.24	16.97	1.04	0.42	41.45	28.42	1.37
200	23.18	25.88	16.52	17.53	1.04	0.44	42.87	28.40	1.39
250	23.17	25.86	16.93	18.40	1.04	0.44	41.98	28.53	1.35
300	23.15	25.96	17.44	19.46	1.05	0.46	43.39	28.60	1.34
350	23.12	25.96	17.98	20.85	1.05	0.47	39.79	28.68	1.40
400	23.09	26.06	18.59	22.87	1.05	0.49	38.23	28.71	1.39
450	23.05	26.14	19.26	25.94	1.06	0.51	41.81	28.69	1.38
500	22.98	26.29	20.05	31.28	1.07	0.54	43.49	28.79	1.40
550	22.79	26.43	20.60	49.39	1.08	0.58	42.17	28.44	1.43
600	22.52	26.85	18.56	36.16	1.12	0.64	40.68	28.43	1.43
650	22.71	26.67	18.39	28.96	1.10	0.61	40.12	28.51	1.37
700	22.69	26.76	18.77	23.93	1.10	0.62	41.79	28.54	1.47
750	22.59	26.88	18.74	20.76	1.11	0.63	42.44	28.39	1.45
800	22.45	27.13	18.32	18.39	1.12	0.66	43.57	28.34	1.47
850	22.26	27.36	17.66	16.46	1.14	0.69	40.93	28.18	1.49
900	22.01	27.69	16.67	14.83	1.17	0.72	41.10	28.10	1.51
950	21.64	28.08	15.39	13.40	1.20	0.76	40.10	27.30	1.57
1000	21.05	28.74	13.66	12.34	1.29	0.82	40.73	27.11	1.59
1050	20.12	29.78	11.46	12.20	1.46	0.92	41.34	26.54	1.66
1100	19.46	30.46	9.57	14.90	1.61	1.02	40.06	26.34	1.73
1150	19.90	30.13	8.90	17.99	1.51	1.04	40.17	27.34	1.84
1200	20.05	30.04	8.52	14.69	1.44	1.02	41.09	27.43	1.82

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 = 240mA @ 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)
1	25.09	29.06	10.69	10.93	1.06	0.50	42.83	26.06	-
3	25.43	28.87	14.47	22.00	1.06	0.56	48.68	26.14	-
5	25.38	28.26	15.13	30.23	1.04	0.51	49.31	26.26	-
7	25.29	28.22	15.38	31.31	1.04	0.52	50.15	26.36	-
9	25.17	27.91	15.47	26.95	1.02	0.50	49.72	26.60	-
10	25.14	28.14	15.72	24.44	1.03	0.54	34.50	26.64	1.55
20	24.46	26.74	16.05	19.24	1.00	0.44	39.39	26.96	1.16
30	24.04	26.30	15.99	17.58	1.00	0.42	37.78	26.58	0.96
40	23.80	26.21	16.03	16.99	1.01	0.42	48.05	28.35	0.89
50	23.66	26.01	15.88	16.61	1.01	0.41	39.93	28.34	0.95
60	23.55	25.97	16.08	16.47	1.02	0.41	39.46	28.04	0.90
70	23.50	25.92	16.18	16.46	1.02	0.40	44.18	27.45	0.92
80	23.45	25.89	16.22	16.43	1.03	0.40	44.97	28.09	0.95
90	23.43	25.92	16.33	16.48	1.03	0.41	42.81	28.54	0.98
100	23.41	25.84	16.42	16.55	1.03	0.40	39.50	27.96	0.99
150	23.35	25.81	16.77	16.94	1.03	0.40	42.06	28.10	0.97
200	23.33	25.84	17.20	17.45	1.04	0.41	42.25	28.24	0.97
250	23.31	25.80	17.54	18.21	1.04	0.42	39.33	28.42	0.94
300	23.29	25.92	18.02	19.05	1.04	0.44	43.85	28.62	0.96
350	23.28	25.91	18.49	20.27	1.04	0.44	39.20	28.66	0.94
400	23.25	25.95	19.22	22.03	1.04	0.46	38.62	28.72	0.99
450	23.22	26.08	20.06	24.49	1.05	0.48	41.60	28.47	0.96
500	23.16	26.13	21.04	29.00	1.06	0.50	43.34	28.37	0.96
550	23.03	26.34	22.43	37.77	1.07	0.54	44.54	28.70	0.92
600	22.61	26.79	20.19	28.43	1.11	0.63	42.63	28.55	0.99
650	22.89	26.57	19.52	33.23	1.08	0.58	44.99	28.73	1.01
700	22.92	26.55	20.18	27.67	1.08	0.58	42.19	28.61	1.00
750	22.84	26.74	20.45	23.25	1.09	0.60	41.93	28.52	1.01
800	22.72	26.89	20.29	20.21	1.10	0.62	41.32	28.76	1.04
850	22.56	27.12	19.74	17.88	1.11	0.65	43.10	28.89	1.01
900	22.35	27.40	18.86	15.91	1.13	0.68	42.48	28.68	1.05
950	22.05	27.74	17.51	14.20	1.16	0.72	41.24	28.61	1.08
1000	21.56	28.28	15.64	12.69	1.22	0.77	40.95	28.52	1.08
1050	20.65	29.21	13.04	11.69	1.35	0.86	42.28	27.74	1.12
1100	19.46	30.50	10.24	13.07	1.61	1.00	40.45	26.98	1.18
1150	20.02	30.04	9.25	20.20	1.51	1.03	43.29	27.68	1.25
1200	20.54	29.52	9.17	17.47	1.37	0.99	42.83	28.28	1.25

Typical Performance Data

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

TEST CONDITIONS: Vd = 7.60V, Id = 226mA @ 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)
1	25.06	29.30	10.66	10.92	1.07	0.53	42.50	25.57	-
3	25.40	28.66	14.40	21.98	1.05	0.54	48.16	25.65	-
5	25.36	28.47	15.02	29.78	1.05	0.53	48.99	25.62	-
7	25.27	28.15	15.34	31.03	1.03	0.52	49.27	25.83	-
9	25.14	28.17	15.39	26.91	1.03	0.54	49.70	25.95	-
10	25.13	27.64	16.13	25.84	1.02	0.47	35.76	26.10	1.42
20	24.43	26.81	15.97	19.25	1.00	0.45	39.74	26.55	1.09
30	24.02	26.37	16.07	17.61	1.01	0.43	41.23	26.24	0.93
40	23.78	26.17	16.09	17.09	1.01	0.42	40.47	27.87	0.88
50	23.64	25.98	16.07	16.72	1.03	0.41	42.82	27.92	0.91
60	23.53	25.91	16.20	16.57	1.02	0.40	42.38	27.64	0.87
70	23.48	25.87	16.32	16.57	1.02	0.40	41.94	27.17	0.87
80	23.43	25.80	16.36	16.56	1.02	0.40	43.12	27.68	0.97
90	23.41	25.83	16.47	16.60	1.03	0.40	45.57	28.10	1.00
100	23.39	25.77	16.55	16.66	1.03	0.39	38.71	27.62	0.97
150	23.33	25.82	16.90	17.04	1.03	0.41	44.42	27.71	0.97
200	23.31	25.80	17.34	17.58	1.03	0.41	43.31	27.79	0.96
250	23.29	25.74	17.72	18.38	1.03	0.41	40.84	28.03	0.92
300	23.27	25.84	18.20	19.19	1.04	0.43	43.67	28.16	0.92
350	23.26	25.84	18.67	20.45	1.04	0.44	39.72	28.27	0.94
400	23.23	25.98	19.42	22.22	1.05	0.46	38.91	28.25	0.96
450	23.20	26.02	20.25	24.78	1.05	0.48	40.88	27.99	0.95
500	23.15	26.14	21.26	29.48	1.06	0.50	44.98	27.96	0.90
550	23.01	26.34	22.70	38.10	1.07	0.54	42.38	28.23	0.92
600	22.59	26.78	20.30	28.44	1.11	0.63	41.61	28.15	0.97
650	22.88	26.55	19.61	34.08	1.08	0.58	45.33	28.25	0.99
700	22.90	26.58	20.32	27.64	1.08	0.58	44.38	28.20	0.99
750	22.82	26.71	20.55	23.11	1.09	0.60	44.20	28.03	1.02
800	22.70	26.85	20.41	20.10	1.10	0.62	43.76	28.35	1.03
850	22.54	27.11	19.80	17.79	1.11	0.65	42.06	28.43	1.03
900	22.34	27.32	18.92	15.86	1.13	0.68	43.91	28.31	1.01
950	22.04	27.73	17.55	14.16	1.16	0.72	44.67	28.23	1.07
1000	21.55	28.21	15.70	12.66	1.21	0.76	40.91	28.19	1.05
1050	20.64	29.26	13.08	11.65	1.36	0.86	41.59	27.44	1.11
1100	19.45	30.46	10.26	12.99	1.61	1.00	42.16	26.67	1.17
1150	20.00	30.01	9.26	20.05	1.51	1.03	43.77	27.21	1.21
1200	20.53	29.54	9.20	17.48	1.37	0.99	43.39	27.84	1.28

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 = 253mA @ 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)
1	25.11	29.10	10.71	10.89	1.06	0.50	42.49	26.71	-
3	25.44	28.91	14.57	22.02	1.06	0.56	48.73	26.68	-
5	25.40	28.52	15.19	30.68	1.05	0.53	48.63	26.80	-
7	25.31	28.26	15.48	31.42	1.04	0.52	49.67	26.90	-
9	25.19	27.83	15.52	26.86	1.02	0.49	50.28	27.11	-
10	25.17	27.59	16.28	26.06	1.01	0.46	38.32	27.16	1.67
20	24.47	26.94	15.94	19.03	1.00	0.46	41.85	27.44	1.22
30	24.06	26.39	15.95	17.48	1.01	0.43	41.89	26.92	1.00
40	23.82	26.21	15.94	16.91	1.01	0.42	43.74	28.77	0.92
50	23.68	26.07	16.08	16.61	1.02	0.41	44.37	28.69	0.93
60	23.57	25.93	16.03	16.43	1.02	0.40	41.83	28.42	0.92
70	23.51	25.93	16.09	16.41	1.02	0.40	41.48	27.79	0.92
80	23.47	25.92	16.11	16.37	1.03	0.41	43.98	28.50	0.97
90	23.45	25.84	16.27	16.44	1.03	0.40	47.91	28.94	0.99
100	23.43	25.85	16.34	16.49	1.03	0.40	38.32	28.33	1.01
150	23.37	25.79	16.66	16.89	1.03	0.40	45.97	28.49	1.01
200	23.34	25.87	17.08	17.37	1.04	0.42	41.57	28.63	1.01
250	23.32	25.90	17.43	18.10	1.04	0.43	39.47	28.81	0.96
300	23.31	25.85	17.90	18.97	1.04	0.43	45.35	29.00	0.94
350	23.29	25.93	18.39	20.15	1.04	0.44	40.29	29.04	0.96
400	23.27	26.03	19.09	21.84	1.05	0.46	38.96	29.10	0.99
450	23.24	26.11	19.86	24.33	1.05	0.48	42.96	28.86	0.95
500	23.18	26.20	20.89	28.72	1.06	0.50	43.61	28.77	0.98
550	23.04	26.39	22.32	37.39	1.07	0.54	42.29	29.09	0.96
600	22.62	26.77	20.10	28.40	1.11	0.62	45.25	28.94	0.98
650	22.91	26.58	19.37	32.64	1.08	0.58	46.24	29.13	1.02
700	22.93	26.65	20.07	27.71	1.08	0.58	41.54	29.01	1.00
750	22.85	26.74	20.33	23.27	1.09	0.60	44.96	28.93	1.00
800	22.73	26.94	20.22	20.24	1.10	0.62	42.84	29.15	1.04
850	22.58	27.11	19.65	17.92	1.11	0.65	43.48	29.18	1.03
900	22.37	27.43	18.79	15.94	1.14	0.68	45.52	28.96	1.03
950	22.07	27.73	17.47	14.22	1.16	0.72	41.82	28.98	1.08
1000	21.58	28.34	15.61	12.71	1.22	0.77	43.13	28.77	1.08
1050	20.66	29.28	13.04	11.72	1.36	0.86	40.33	27.96	1.13
1100	19.47	30.58	10.23	13.13	1.62	1.00	42.07	27.20	1.23
1150	20.03	29.98	9.23	20.33	1.50	1.03	42.21	28.04	1.27
1200	20.55	29.55	9.16	17.48	1.37	0.99	41.81	28.63	1.33

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 = 216mA @ 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)
1	24.58	29.00	11.47	11.16	1.08	0.54	35.59	25.14	-
3	24.87	28.77	15.14	21.58	1.09	0.60	36.64	25.58	-
5	24.84	28.50	15.64	27.10	1.07	0.59	36.91	25.64	-
7	24.75	28.26	15.90	28.41	1.06	0.58	37.01	25.76	-
9	24.64	27.95	15.92	26.62	1.05	0.56	37.17	25.87	-
10	24.59	27.90	16.78	26.44	1.05	0.56	37.19	25.92	1.72
20	23.95	26.92	16.12	20.39	1.02	0.53	37.93	26.22	1.85
30	23.57	26.42	15.99	19.02	1.02	0.50	38.71	26.08	1.72
40	23.34	26.08	15.93	18.46	1.03	0.47	39.26	27.23	1.64
50	23.22	26.00	15.83	18.10	1.03	0.49	39.54	26.92	1.72
60	23.11	25.96	15.85	17.86	1.04	0.47	39.82	27.08	1.70
70	23.06	25.92	15.88	17.86	1.04	0.47	39.92	26.86	1.73
80	23.01	25.78	15.94	17.82	1.04	0.46	40.17	27.19	1.80
90	23.00	25.91	16.00	17.83	1.04	0.47	40.15	27.21	1.75
100	22.97	25.80	16.03	17.87	1.04	0.46	40.22	27.16	1.78
150	22.91	25.80	16.17	18.20	1.05	0.47	41.12	27.29	1.80
200	22.87	25.92	16.49	18.77	1.05	0.49	39.82	27.36	1.81
250	22.85	25.87	16.87	19.79	1.05	0.49	37.74	27.41	1.75
300	22.82	25.91	17.33	21.09	1.06	0.50	41.17	27.53	1.80
350	22.80	25.97	17.74	22.94	1.06	0.52	38.38	27.48	1.76
400	22.76	26.08	18.32	25.34	1.07	0.54	37.62	27.49	1.79
450	22.71	26.15	18.83	29.07	1.07	0.55	39.62	27.31	1.82
500	22.62	26.33	19.27	35.05	1.09	0.58	39.71	27.38	1.81
550	22.42	26.52	19.45	37.35	1.10	0.62	38.23	26.99	1.77
600	22.21	26.80	17.73	38.33	1.13	0.67	38.91	26.90	1.83
650	22.33	26.75	17.60	25.85	1.12	0.65	39.29	27.18	1.83
700	22.30	26.87	17.70	21.78	1.12	0.66	40.12	26.93	1.92
750	22.19	27.02	17.47	19.12	1.13	0.68	38.53	26.80	1.86
800	22.03	27.22	17.04	17.15	1.15	0.70	39.35	26.62	1.95
850	21.81	27.50	16.28	15.50	1.17	0.73	38.15	26.26	1.95
900	21.54	27.81	15.33	14.14	1.20	0.76	37.64	25.94	1.98
950	21.15	28.28	14.13	12.97	1.25	0.80	38.68	26.05	2.00
1000	20.57	28.97	12.60	12.21	1.34	0.86	37.97	25.50	2.08
1050	19.76	29.81	10.83	12.36	1.50	0.94	36.67	24.92	2.15
1100	19.24	30.39	9.31	14.38	1.62	1.03	37.05	24.65	2.25
1150	19.41	30.28	8.57	15.79	1.57	1.05	37.76	25.33	2.33
1200	19.45	30.34	8.04	13.74	1.52	1.05	37.50	25.45	2.44

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 = 209mA @ 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)
1	24.59	29.10	11.33	11.22	1.09	0.56	36.86	24.95	-
3	24.88	28.66	14.89	21.72	1.08	0.59	37.19	25.29	-
5	24.85	28.34	15.40	27.47	1.07	0.57	37.34	25.38	-
7	24.76	28.29	15.65	28.98	1.06	0.58	37.44	25.46	-
9	24.65	27.85	15.70	26.92	1.04	0.55	37.54	25.56	-
10	24.65	28.09	16.23	25.76	1.05	0.58	37.57	25.60	1.66
20	24.02	26.98	16.03	20.27	1.02	0.53	38.33	25.87	1.70
30	23.63	26.36	15.99	18.68	1.02	0.48	39.10	25.77	1.63
40	23.40	26.12	16.02	18.13	1.03	0.47	39.64	26.92	1.58
50	23.27	25.98	16.05	17.80	1.03	0.48	39.96	26.69	1.66
60	23.17	26.01	15.98	17.54	1.04	0.47	40.19	26.79	1.56
70	23.11	25.85	16.00	17.50	1.04	0.45	40.31	26.61	1.66
80	23.06	25.87	16.04	17.44	1.04	0.46	40.54	26.88	1.78
90	23.05	25.87	16.12	17.48	1.04	0.46	40.57	26.93	1.69
100	23.02	25.74	16.17	17.55	1.04	0.45	40.58	26.87	1.71
150	22.95	25.93	16.36	17.84	1.05	0.48	39.13	26.94	1.76
200	22.92	25.81	16.64	18.39	1.05	0.47	40.85	27.06	1.74
250	22.90	25.87	17.03	19.36	1.05	0.48	37.95	27.14	1.65
300	22.87	25.87	17.49	20.64	1.05	0.49	39.80	27.26	1.70
350	22.85	25.93	17.97	22.46	1.06	0.51	37.79	27.23	1.68
400	22.81	26.07	18.55	24.81	1.07	0.53	36.90	27.24	1.75
450	22.76	26.15	19.10	28.59	1.07	0.55	40.54	27.06	1.77
500	22.67	26.24	19.59	36.15	1.08	0.57	40.63	27.05	1.78
550	22.48	26.53	19.75	42.52	1.10	0.62	39.61	26.79	1.72
600	22.26	26.75	17.97	48.43	1.12	0.66	39.03	26.70	1.72
650	22.39	26.72	17.83	27.47	1.11	0.64	39.26	27.03	1.77
700	22.36	26.80	17.95	22.71	1.11	0.65	39.76	26.81	1.80
750	22.25	26.93	17.71	19.79	1.12	0.67	39.16	26.59	1.76
800	22.09	27.17	17.29	17.63	1.14	0.69	39.40	26.52	1.89
850	21.88	27.40	16.52	15.91	1.16	0.72	39.07	26.18	1.82
900	21.61	27.74	15.57	14.45	1.19	0.75	38.28	25.87	1.91
950	21.23	28.22	14.34	13.22	1.24	0.80	39.11	25.89	1.93
1000	20.66	28.85	12.78	12.36	1.32	0.85	38.28	25.45	1.95
1050	19.85	29.74	10.96	12.43	1.48	0.94	37.90	24.87	2.03
1100	19.32	30.30	9.39	14.42	1.60	1.02	37.11	24.58	2.11
1150	19.49	30.22	8.65	16.07	1.55	1.05	38.78	25.17	2.30
1200	19.54	30.16	8.13	14.08	1.49	1.05	37.15	25.30	2.29

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 = 223mA @ 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)
1	24.51	29.37	11.70	11.10	1.11	0.58	35.49	25.52	-
3	24.81	28.79	15.41	21.32	1.09	0.60	36.37	25.96	-
5	24.77	28.69	15.99	26.18	1.09	0.61	36.57	26.02	-
7	24.69	28.28	16.16	27.69	1.07	0.58	36.73	26.11	-
9	24.57	28.07	16.14	26.23	1.06	0.58	36.83	26.22	-
10	24.53	27.96	16.86	25.41	1.06	0.57	36.95	26.28	1.85
20	23.90	26.92	16.21	20.62	1.03	0.53	37.61	26.58	1.92
30	23.52	26.44	15.99	19.24	1.03	0.51	38.38	26.39	1.78
40	23.30	26.09	15.85	18.68	1.03	0.48	38.80	27.57	1.74
50	23.18	26.03	15.90	18.48	1.03	0.47	39.22	27.19	1.78
60	23.07	26.07	15.76	18.14	1.04	0.49	39.38	27.41	1.77
70	23.02	25.93	15.76	18.14	1.04	0.48	39.48	27.16	1.79
80	22.97	25.91	15.79	18.09	1.04	0.48	39.67	27.52	1.86
90	22.96	25.85	15.87	18.12	1.04	0.47	39.79	27.59	1.83
100	22.94	25.81	15.90	18.17	1.04	0.47	39.84	27.49	1.85
150	22.87	25.88	16.02	18.48	1.05	0.49	38.82	27.62	1.86
200	22.83	25.89	16.32	19.09	1.05	0.49	38.78	27.69	1.84
250	22.81	25.91	16.68	20.11	1.06	0.50	39.16	27.73	1.83
300	22.78	25.91	17.13	21.45	1.06	0.51	40.34	27.83	1.82
350	22.76	26.02	17.54	23.33	1.06	0.53	38.83	27.77	1.85
400	22.72	26.12	18.08	25.79	1.07	0.55	41.51	27.79	1.90
450	22.67	26.14	18.58	29.43	1.07	0.56	37.91	27.60	1.89
500	22.57	26.34	19.02	33.83	1.09	0.59	38.28	27.68	1.91
550	22.38	26.59	19.20	34.45	1.11	0.63	37.88	27.16	1.85
600	22.17	26.84	17.55	35.05	1.13	0.68	38.32	27.08	1.89
650	22.29	26.80	17.42	24.83	1.12	0.66	39.25	27.44	1.95
700	22.26	26.91	17.48	21.20	1.12	0.67	38.14	27.19	1.98
750	22.14	27.05	17.25	18.71	1.13	0.68	38.22	27.05	2.00
800	21.98	27.29	16.81	16.80	1.15	0.71	38.45	26.78	1.98
850	21.76	27.55	16.08	15.23	1.17	0.73	37.28	26.49	1.99
900	21.48	27.90	15.16	13.90	1.21	0.77	37.33	26.09	2.03
950	21.09	28.39	13.96	12.78	1.26	0.81	38.50	26.20	2.11
1000	20.51	28.97	12.48	12.06	1.34	0.86	37.37	25.63	2.16
1050	19.70	29.86	10.73	12.25	1.51	0.95	37.22	25.04	2.24
1100	19.18	30.47	9.24	14.31	1.64	1.03	36.62	24.77	2.34
1150	19.34	30.34	8.50	15.61	1.58	1.05	37.86	25.47	2.43
1200	19.38	30.48	7.96	13.52	1.54	1.05	37.69	25.58	2.56