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 = 9.00V, Id = 391.97mA @ 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	14.56	21.59	6.50	10.68	1.16	0.80	39.90	30.21	2.87
30	15.02	21.10	10.81	15.68	1.19	0.76	42.17	30.32	2.71
40	15.00	21.01	13.72	17.35	1.22	0.75	43.94	30.09	2.62
50	14.99	21.10	15.39	17.54	1.23	0.75	47.36	30.27	2.56
60	15.02	21.03	16.34	17.57	1.23	0.74	49.66	30.41	2.65
70	15.03	20.93	16.90	17.56	1.22	0.73	49.26	30.45	2.63
80	15.06	20.92	17.35	17.42	1.22	0.73	50.39	30.55	2.54
90	15.07	20.98	17.50	17.41	1.22	0.73	50.55	30.54	2.49
100	15.09	20.89	17.72	17.34	1.21	0.72	50.56	30.53	2.44
150	15.14	20.83	18.12	16.82	1.20	0.71	50.52	30.61	2.45
200	15.17	20.84	18.13	16.30	1.20	0.70	49.30	30.73	2.42
250	15.18	20.81	18.07	15.83	1.19	0.70	48.63	30.84	2.51
300	15.18	20.82	17.91	15.41	1.19	0.70	49.48	31.05	2.50
350	15.19	20.92	17.68	14.97	1.20	0.70	49.33	30.93	2.54
400	15.19	20.81	17.39	14.72	1.19	0.69	50.38	30.92	2.56
450	15.18	20.98	17.39	14.46	1.20	0.70	51.82	30.97	2.57
500	15.19	21.01	17.30	14.35	1.20	0.70	50.76	31.03	2.71
550	15.20	21.10	17.50	14.36	1.21	0.70	50.61	30.94	2.69
600	15.21	21.12	17.62	14.46	1.21	0.70	53.03	30.93	2.69
650	15.23	21.13	18.00	14.70	1.21	0.70	52.95	31.04	2.75
700	15.24	21.15	18.39	15.01	1.21	0.71	51.57	30.93	2.73
750	15.28	21.16	19.18	15.56	1.21	0.71	50.67	30.97	2.81
800	15.31	21.21	20.05	16.13	1.22	0.71	49.05	30.87	2.93
850	15.36	21.25	21.24	16.99	1.22	0.72	47.49	30.79	3.00
900	15.39	21.30	22.29	17.95	1.23	0.73	46.63	30.51	3.03
950	15.41	21.39	23.09	19.19	1.23	0.74	47.27	30.49	3.06
1000	15.42	21.44	23.35	20.36	1.24	0.74	46.29	30.21	3.02
1100	15.42	21.69	22.53	21.80	1.26	0.77	48.29	29.34	3.08
1200	15.38	21.90	20.72	20.60	1.27	0.78	49.98	28.57	3.21
1300	15.32	22.18	19.06	17.96	1.29	0.80	46.39	28.36	3.41
1400	15.20	22.52	17.51	15.31	1.31	0.81	43.58	27.90	3.46
1500	15.09	22.98	15.91	13.07	1.34	0.82	41.79	28.14	3.47
1600	14.90	23.41	14.24	11.20	1.38	0.81	40.03	28.11	3.69
1700	14.66	23.86	13.05	9.79	1.42	0.80	39.47	27.51	3.88
1800	14.37	24.55	12.23	8.83	1.51	0.80	38.54	26.87	3.98
1900	14.01	25.12	11.69	8.13	1.61	0.80	37.43	26.06	4.23
2000	13.44	25.99	11.14	7.63	1.78	0.81	36.90	25.01	4.51
2100	13.04	26.88	10.56	7.52	1.98	0.84	36.01	24.58	4.80
2200	12.25	27.95	8.75	6.93	2.22	0.86	35.97	24.48	5.25
2300	11.04	29.65	6.91	6.09	2.66	0.88	36.11	23.90	5.64
2400	9.36	31.94	5.40	5.19	3.45	0.88	35.76	23.23	5.77
2500	7.35	34.22	4.32	4.37	4.51	0.86	38.24	22.00	6.75

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 = 344.62mA @ 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	14.53	21.53	6.49	10.59	1.16	0.79	40.35	29.19	2.84
30	14.99	21.14	10.79	15.66	1.20	0.77	42.80	29.33	2.71
40	14.97	21.03	13.67	17.39	1.22	0.75	44.48	29.09	2.55
50	14.96	20.87	15.26	17.44	1.21	0.73	47.69	29.29	2.56
60	14.99	20.87	16.20	17.39	1.21	0.73	49.67	29.43	2.58
70	15.00	21.00	16.72	17.41	1.23	0.73	48.56	29.48	2.57
80	15.02	20.98	17.22	17.30	1.22	0.73	50.82	29.58	2.52
90	15.04	20.87	17.40	17.27	1.21	0.72	50.45	29.58	2.48
100	15.06	20.92	17.59	17.19	1.22	0.72	49.00	29.57	2.45
150	15.11	20.87	17.96	16.62	1.21	0.71	49.07	29.67	2.41
200	15.14	20.82	18.03	16.22	1.20	0.71	49.21	29.79	2.41
250	15.15	20.80	17.94	15.75	1.19	0.70	48.56	29.92	2.44
300	15.15	20.87	17.73	15.30	1.20	0.70	49.35	30.13	2.46
350	15.16	20.95	17.50	14.86	1.20	0.70	48.85	29.99	2.51
400	15.16	20.92	17.24	14.62	1.20	0.70	48.55	29.98	2.56
450	15.15	21.01	17.28	14.38	1.20	0.70	48.67	30.01	2.55
500	15.16	20.97	17.13	14.21	1.20	0.69	48.06	30.04	2.62
550	15.17	21.04	17.33	14.28	1.21	0.70	48.58	29.94	2.64
600	15.18	21.02	17.47	14.35	1.20	0.70	49.12	29.91	2.66
650	15.20	21.14	17.81	14.58	1.21	0.71	49.08	30.00	2.75
700	15.21	21.15	18.19	14.91	1.22	0.71	48.68	29.89	2.78
750	15.25	21.15	18.98	15.47	1.22	0.71	49.32	29.94	2.82
800	15.28	21.18	19.79	15.96	1.22	0.71	46.74	29.84	2.84
850	15.33	21.26	20.98	16.81	1.22	0.72	45.67	29.73	2.97
900	15.36	21.26	21.86	17.69	1.22	0.73	45.48	29.42	3.01
950	15.37	21.41	22.69	18.91	1.24	0.74	45.35	29.37	3.06
1000	15.38	21.52	22.78	19.95	1.25	0.75	44.97	29.03	3.04
1100	15.38	21.65	21.97	21.09	1.25	0.77	47.06	28.02	3.07
1200	15.34	21.84	20.35	19.89	1.27	0.78	52.39	27.31	3.18
1300	15.26	22.27	18.60	17.36	1.30	0.81	46.84	27.10	3.33
1400	15.14	22.49	17.07	14.80	1.31	0.81	43.76	26.59	3.45
1500	15.02	23.04	15.38	12.63	1.35	0.82	41.80	27.02	3.50
1600	14.80	23.48	13.81	10.82	1.38	0.82	39.90	26.94	3.68
1700	14.55	23.94	12.60	9.47	1.43	0.80	39.42	26.32	3.87
1800	14.24	24.69	11.84	8.53	1.53	0.80	38.58	25.65	3.99
1900	13.87	25.37	11.30	7.89	1.64	0.80	37.66	24.79	4.17
2000	13.29	26.29	10.81	7.41	1.83	0.82	37.12	23.73	4.43
2100	12.86	27.05	10.25	7.29	2.02	0.84	35.95	23.32	4.76
2200	12.04	28.10	8.51	6.76	2.27	0.86	35.42	23.26	5.26
2300	10.81	29.83	6.77	5.95	2.74	0.88	35.70	22.65	5.70
2400	9.10	32.07	5.29	5.11	3.52	0.88	35.65	21.97	5.74
2500	7.09	34.28	4.26	4.31	4.58	0.86	37.81	21.16	6.80

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 = 9.50V, Id = 415.87mA @ 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	14.57	21.97	6.48	10.61	1.18	0.82	39.85	30.67	2.86
30	15.03	21.18	10.84	15.74	1.20	0.77	42.28	30.75	2.74
40	15.01	21.02	13.74	17.34	1.21	0.75	46.05	30.53	2.65
50	15.00	21.04	15.41	17.53	1.22	0.74	47.94	30.71	2.60
60	15.03	20.98	16.27	17.51	1.22	0.73	49.29	30.84	2.65
70	15.05	20.88	16.90	17.62	1.21	0.73	49.92	30.89	2.65
80	15.07	20.96	17.34	17.52	1.22	0.73	50.23	30.98	2.59
90	15.09	20.88	17.57	17.43	1.21	0.72	51.64	30.98	2.48
100	15.11	20.87	17.80	17.36	1.21	0.72	51.59	30.96	2.45
150	15.15	20.85	18.15	16.84	1.20	0.71	50.64	31.03	2.46
200	15.19	20.80	18.24	16.42	1.20	0.70	52.09	31.14	2.41
250	15.20	20.86	18.14	15.84	1.20	0.70	48.81	31.24	2.49
300	15.19	20.88	17.91	15.43	1.20	0.70	50.64	31.44	2.49
350	15.20	20.85	17.78	15.05	1.19	0.69	50.34	31.33	2.52
400	15.20	20.96	17.48	14.78	1.20	0.70	50.19	31.33	2.55
450	15.19	20.90	17.44	14.50	1.19	0.69	51.83	31.39	2.62
500	15.21	21.00	17.36	14.34	1.20	0.69	49.78	31.46	2.63
550	15.21	20.97	17.51	14.41	1.20	0.69	52.54	31.38	2.72
600	15.22	21.06	17.71	14.47	1.21	0.70	52.53	31.37	2.71
650	15.24	21.10	18.11	14.74	1.21	0.70	51.27	31.48	2.78
700	15.25	21.11	18.45	15.06	1.21	0.70	51.19	31.39	2.77
750	15.29	21.15	19.33	15.61	1.21	0.71	51.09	31.42	2.80
800	15.33	21.14	20.16	16.14	1.21	0.71	49.11	31.32	2.90
850	15.37	21.32	21.43	17.05	1.23	0.72	47.43	31.25	2.95
900	15.40	21.31	22.37	18.01	1.23	0.73	46.81	30.98	3.04
950	15.42	21.39	23.31	19.29	1.23	0.74	46.67	30.97	3.10
1000	15.44	21.46	23.62	20.52	1.24	0.74	46.35	30.71	3.07
1100	15.44	21.66	22.62	22.13	1.25	0.76	48.12	29.91	3.13
1200	15.41	21.94	20.85	21.04	1.27	0.78	51.38	29.16	3.23
1300	15.34	22.19	19.22	18.22	1.29	0.80	48.23	28.90	3.44
1400	15.23	22.51	17.71	15.52	1.31	0.81	44.68	28.47	3.52
1500	15.13	22.90	16.11	13.23	1.33	0.82	42.41	28.60	3.55
1600	14.94	23.30	14.44	11.34	1.37	0.81	40.53	28.59	3.70
1700	14.70	23.80	13.19	9.88	1.41	0.80	39.98	28.01	3.94
1800	14.42	24.52	12.36	8.90	1.51	0.80	38.78	27.37	4.03
1900	14.06	25.16	11.83	8.23	1.61	0.80	37.68	26.60	4.25
2000	13.50	26.11	11.28	7.69	1.80	0.82	36.99	25.56	4.47
2100	13.11	26.78	10.66	7.58	1.96	0.84	36.08	25.12	4.83
2200	12.33	27.93	8.85	6.99	2.22	0.86	36.00	25.01	5.33
2300	11.13	29.57	6.97	6.13	2.63	0.88	36.20	24.44	5.68
2400	9.45	31.82	5.42	5.21	3.38	0.88	35.88	23.77	5.89
2500	7.45	34.19	4.32	4.37	4.45	0.86	38.53	22.26	6.70

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 = 9.00V, Id = 388.05mA @ 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	14.22	22.28	7.16	9.97	1.26	0.81	37.98	30.12	2.47
30	14.78	21.24	11.77	14.76	1.23	0.76	40.14	30.41	2.28
40	14.87	21.17	14.24	16.59	1.24	0.75	42.01	30.23	2.17
50	14.91	21.10	15.49	16.94	1.24	0.75	44.65	30.43	2.13
60	14.98	21.03	16.30	16.94	1.23	0.74	47.36	30.57	2.11
70	15.02	21.00	16.69	17.00	1.22	0.73	48.92	30.64	2.08
80	15.06	21.06	17.02	16.81	1.23	0.73	50.39	30.75	2.02
90	15.09	20.86	17.08	16.73	1.21	0.72	49.64	30.76	1.96
100	15.12	20.86	17.18	16.60	1.20	0.71	49.52	30.74	1.91
150	15.18	20.92	17.37	15.86	1.20	0.71	48.54	30.85	1.90
200	15.23	20.85	17.67	15.66	1.19	0.70	49.18	30.96	1.89
250	15.27	20.74	17.92	15.57	1.18	0.69	47.99	31.10	1.97
300	15.29	20.79	18.06	15.58	1.18	0.69	48.60	31.34	1.94
350	15.31	20.73	18.11	15.32	1.18	0.68	49.32	31.21	1.94
400	15.32	20.85	17.66	15.05	1.18	0.69	50.26	31.18	1.99
450	15.31	20.85	17.55	14.58	1.18	0.68	52.29	31.22	2.02
500	15.33	20.82	17.21	14.25	1.18	0.67	49.52	31.28	2.07
550	15.33	20.90	17.12	14.17	1.18	0.68	51.07	31.18	2.08
600	15.34	20.92	17.24	14.19	1.18	0.68	51.27	31.16	2.08
650	15.36	20.97	17.61	14.38	1.19	0.68	50.87	31.30	2.10
700	15.38	21.06	17.96	14.69	1.20	0.69	50.34	31.19	2.15
750	15.42	21.00	18.91	15.29	1.19	0.69	49.83	31.21	2.19
800	15.46	21.04	19.84	15.82	1.19	0.69	48.47	31.16	2.26
850	15.51	21.05	21.08	16.77	1.19	0.70	48.13	31.07	2.34
900	15.54	21.11	22.13	17.66	1.20	0.70	48.02	30.77	2.38
950	15.57	21.19	23.01	18.90	1.20	0.71	47.17	30.76	2.43
1000	15.58	21.17	23.45	19.83	1.20	0.72	46.47	30.50	2.40
1100	15.59	21.42	22.82	20.83	1.22	0.74	48.43	29.69	2.44
1200	15.57	21.66	21.64	19.93	1.23	0.76	51.27	28.99	2.55
1300	15.51	21.91	20.31	17.72	1.25	0.77	45.97	28.72	2.69
1400	15.39	22.29	18.75	15.19	1.27	0.79	43.03	28.23	2.86
1500	15.31	22.60	16.92	13.09	1.29	0.79	41.24	27.99	2.82
1600	15.13	23.03	14.95	11.24	1.32	0.79	39.51	28.40	2.87
1700	14.92	23.48	13.52	9.88	1.36	0.78	38.89	27.87	3.10
1800	14.68	24.04	12.64	8.95	1.42	0.78	37.90	27.27	3.21
1900	14.39	24.60	12.08	8.33	1.50	0.78	36.78	26.60	3.44
2000	13.92	25.37	11.50	7.87	1.63	0.80	36.13	25.67	3.62
2100	13.50	26.12	11.16	7.79	1.79	0.83	35.17	25.05	3.84
2200	12.88	27.07	9.28	7.21	1.96	0.86	35.11	24.98	4.30
2300	11.80	28.67	7.24	6.27	2.27	0.88	34.92	24.54	4.67
2400	10.21	30.76	5.48	5.24	2.80	0.88	34.63	24.04	4.80
2500	8.20	33.20	4.25	4.27	3.59	0.85	36.61	23.41	5.69

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 = 340.78mA @ 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	14.20	22.26	7.12	10.00	1.25	0.81	38.04	29.04	2.42
30	14.75	21.38	11.75	14.77	1.25	0.77	39.74	29.36	2.24
40	14.84	21.23	14.23	16.52	1.25	0.76	41.76	29.18	2.12
50	14.88	21.20	15.53	16.84	1.25	0.75	44.57	29.40	2.06
60	14.95	21.05	16.24	16.94	1.23	0.74	47.23	29.56	2.03
70	14.99	21.06	16.59	16.89	1.23	0.74	47.98	29.63	2.11
80	15.03	20.92	16.89	16.68	1.22	0.72	50.16	29.75	1.97
90	15.06	20.94	16.97	16.55	1.22	0.72	48.77	29.76	1.94
100	15.08	20.87	17.10	16.45	1.21	0.71	50.48	29.75	1.91
150	15.15	20.71	17.21	15.79	1.19	0.69	49.07	29.87	1.88
200	15.20	20.81	17.50	15.55	1.19	0.69	49.34	29.98	1.86
250	15.24	20.75	17.79	15.49	1.18	0.69	48.27	30.14	1.87
300	15.26	20.78	17.93	15.45	1.18	0.69	50.30	30.34	1.91
350	15.28	20.82	17.88	15.16	1.18	0.69	49.50	30.19	1.93
400	15.29	20.78	17.61	14.92	1.18	0.68	50.24	30.16	1.98
450	15.28	20.78	17.39	14.48	1.18	0.68	51.40	30.19	2.00
500	15.29	20.85	17.06	14.17	1.18	0.68	50.91	30.24	2.07
550	15.30	20.87	17.04	14.06	1.18	0.68	51.53	30.12	2.09
600	15.31	20.95	17.10	14.08	1.19	0.68	54.05	30.09	2.02
650	15.34	20.90	17.41	14.29	1.18	0.68	51.88	30.21	2.15
700	15.35	20.95	17.73	14.52	1.19	0.68	51.58	30.10	2.07
750	15.39	21.02	18.66	15.09	1.19	0.69	50.65	30.14	2.18
800	15.43	21.07	19.54	15.71	1.20	0.70	48.70	30.08	2.25
850	15.48	21.11	20.75	16.61	1.20	0.70	48.72	29.98	2.30
900	15.51	21.02	21.75	17.44	1.19	0.70	48.50	29.66	2.31
950	15.53	21.20	22.55	18.60	1.21	0.72	48.72	29.64	2.39
1000	15.55	21.27	22.85	19.56	1.21	0.72	47.65	29.34	2.37
1100	15.55	21.40	22.46	20.52	1.22	0.74	52.16	28.46	2.39
1200	15.53	21.63	21.18	19.67	1.23	0.76	46.40	27.75	2.49
1300	15.47	21.97	19.81	17.49	1.25	0.78	43.22	27.50	2.65
1400	15.34	22.31	18.30	14.99	1.28	0.79	41.12	26.98	2.75
1500	15.25	22.64	16.49	12.89	1.29	0.79	40.05	26.83	2.76
1600	15.07	23.09	14.57	11.06	1.32	0.79	38.60	27.21	2.85
1700	14.84	23.57	13.17	9.69	1.36	0.79	37.99	26.67	3.04
1800	14.59	24.11	12.33	8.78	1.43	0.78	37.26	26.06	3.16
1900	14.29	24.71	11.81	8.18	1.51	0.78	36.36	25.34	3.34
2000	13.80	25.57	11.17	7.72	1.66	0.80	35.92	24.38	3.61
2100	13.37	26.38	10.87	7.61	1.84	0.83	35.19	23.77	3.83
2200	12.72	27.37	9.06	7.05	2.02	0.86	35.09	23.73	4.20
2300	11.61	28.96	7.07	6.15	2.36	0.88	34.83	23.26	4.60
2400	9.99	31.06	5.38	5.14	2.90	0.87	34.54	22.74	4.69
2500	7.96	33.23	4.18	4.20	3.64	0.84	36.37	22.05	5.64

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 = 9.50V, Id = 413.23mA @ 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	14.24	22.10	7.11	10.11	1.24	0.80	37.87	30.59	2.51
30	14.81	21.36	11.73	14.74	1.24	0.77	40.60	30.85	2.33
40	14.89	21.14	14.28	16.66	1.24	0.75	42.85	30.69	2.18
50	14.93	21.20	15.63	16.97	1.24	0.75	44.79	30.89	2.12
60	15.00	20.93	16.33	17.11	1.22	0.73	45.79	31.02	2.15
70	15.04	20.98	16.73	17.05	1.22	0.73	47.10	31.08	2.07
80	15.08	20.98	17.06	16.88	1.22	0.72	49.79	31.20	2.01
90	15.11	20.93	17.10	16.74	1.21	0.72	49.63	31.20	2.00
100	15.13	20.94	17.23	16.60	1.21	0.72	50.29	31.18	1.90
150	15.20	20.85	17.43	16.00	1.20	0.70	51.49	31.29	1.96
200	15.25	20.85	17.67	15.71	1.19	0.70	49.64	31.40	1.92
250	15.28	20.79	17.97	15.62	1.18	0.69	47.55	31.53	1.95
300	15.31	20.80	18.21	15.58	1.18	0.69	48.09	31.78	1.97
350	15.33	20.75	18.16	15.40	1.18	0.68	49.19	31.66	1.96
400	15.34	20.83	17.80	15.08	1.18	0.68	50.13	31.64	2.01
450	15.33	20.85	17.62	14.60	1.18	0.68	51.08	31.69	2.02
500	15.34	20.87	17.25	14.30	1.18	0.68	49.37	31.75	2.08
550	15.35	20.86	17.19	14.25	1.18	0.67	52.05	31.66	2.11
600	15.36	20.87	17.31	14.25	1.18	0.67	52.57	31.64	2.07
650	15.38	20.97	17.66	14.44	1.19	0.68	50.39	31.78	2.19
700	15.40	21.08	18.04	14.71	1.20	0.69	50.66	31.68	2.13
750	15.44	20.98	18.94	15.28	1.19	0.68	50.62	31.69	2.20
800	15.48	21.07	19.90	15.90	1.19	0.69	48.40	31.64	2.29
850	15.52	21.03	21.23	16.81	1.19	0.69	47.97	31.55	2.37
900	15.56	21.13	22.27	17.73	1.20	0.70	47.17	31.26	2.43
950	15.59	21.19	23.19	18.96	1.20	0.71	47.50	31.26	2.46
1000	15.60	21.25	23.60	19.96	1.21	0.72	46.26	31.01	2.49
1100	15.61	21.50	23.05	21.05	1.22	0.74	46.87	30.25	2.46
1200	15.59	21.60	21.82	20.20	1.23	0.75	51.14	29.63	2.58
1300	15.54	21.95	20.46	17.80	1.25	0.77	49.01	29.26	2.71
1400	15.42	22.22	18.95	15.28	1.26	0.79	44.19	28.79	2.80
1500	15.34	22.62	17.16	13.20	1.29	0.79	42.41	28.51	2.81
1600	15.17	23.07	15.19	11.31	1.32	0.79	40.35	28.91	2.93
1700	14.96	23.53	13.70	9.95	1.36	0.78	39.51	28.39	3.14
1800	14.73	23.99	12.78	9.04	1.41	0.78	38.51	27.79	3.23
1900	14.44	24.46	12.23	8.44	1.48	0.78	37.24	27.15	3.40
2000	13.98	25.45	11.60	7.95	1.64	0.80	36.50	26.23	3.68
2100	13.57	26.05	11.30	7.89	1.78	0.83	35.47	25.61	3.88
2200	12.95	27.17	9.38	7.28	1.97	0.86	35.35	25.53	4.32
2300	11.88	28.80	7.32	6.32	2.30	0.88	35.23	25.09	4.73
2400	10.29	30.70	5.53	5.26	2.77	0.88	34.88	24.62	4.88
2500	8.29	33.17	4.27	4.27	3.56	0.85	36.97	23.78	5.67

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 = 9.00V, Id = 394.13mA @ 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)
20	14.30	22.11	6.75	10.47	1.22	0.82	40.27	29.91	3.47
30	14.73	21.31	11.44	15.30	1.24	0.78	43.51	29.98	3.32
40	14.76	21.30	14.32	17.17	1.26	0.77	46.40	29.73	3.13
50	14.78	21.03	15.87	17.48	1.24	0.75	50.29	29.88	3.09
60	14.83	21.14	16.89	17.70	1.25	0.75	48.53	30.03	3.16
70	14.86	21.04	17.42	17.82	1.24	0.75	50.54	30.07	3.10
80	14.89	21.06	17.94	17.82	1.24	0.74	51.73	30.15	3.04
90	14.91	21.05	18.13	17.89	1.24	0.74	52.20	30.14	2.99
100	14.93	21.00	18.39	17.92	1.24	0.74	51.81	30.13	2.93
150	14.99	20.92	18.87	17.55	1.22	0.73	49.92	30.16	2.94
200	15.03	20.89	18.89	17.00	1.22	0.72	52.17	30.28	2.92
250	15.02	20.95	18.43	16.24	1.22	0.72	49.75	30.34	2.97
300	15.01	20.98	17.85	15.47	1.22	0.72	50.67	30.49	3.01
350	15.01	21.00	17.42	14.77	1.21	0.71	51.18	30.36	3.03
400	15.01	21.03	16.98	14.36	1.22	0.71	50.56	30.39	3.08
450	15.00	21.05	16.99	14.10	1.22	0.71	50.83	30.48	3.07
500	15.02	21.13	17.01	14.02	1.22	0.71	50.50	30.54	3.18
550	15.03	21.11	17.33	14.19	1.22	0.71	50.64	30.45	3.22
600	15.05	21.20	17.68	14.39	1.23	0.72	49.97	30.44	3.28
650	15.07	21.22	18.27	14.74	1.23	0.72	51.24	30.54	3.33
700	15.09	21.26	18.81	15.19	1.24	0.72	50.74	30.46	3.26
750	15.13	21.32	19.85	15.86	1.24	0.73	51.11	30.49	3.40
800	15.16	21.28	20.75	16.50	1.24	0.73	48.43	30.39	3.47
850	15.20	21.34	21.96	17.46	1.24	0.74	47.73	30.32	3.58
900	15.22	21.49	22.80	18.39	1.26	0.75	46.42	30.07	3.57
950	15.23	21.59	23.14	19.70	1.27	0.76	46.62	30.04	3.67
1000	15.24	21.61	22.86	20.81	1.27	0.77	46.89	29.76	3.69
1100	15.22	21.89	21.39	21.88	1.29	0.79	47.12	28.84	3.74
1200	15.18	22.17	19.55	20.67	1.31	0.81	49.98	28.13	3.92
1300	15.10	22.34	17.92	17.89	1.32	0.82	48.74	27.92	4.05
1400	14.99	22.76	16.50	15.30	1.35	0.83	45.33	27.52	4.15
1500	14.86	23.15	15.13	13.00	1.38	0.83	43.17	27.69	4.18
1600	14.64	23.68	13.78	11.09	1.43	0.83	41.37	27.55	4.38
1700	14.37	24.26	12.67	9.70	1.50	0.82	40.77	26.94	4.60
1800	14.03	24.90	11.89	8.64	1.60	0.81	39.43	26.27	4.76
1900	13.59	25.57	11.22	7.86	1.71	0.81	38.40	25.41	5.05
2000	12.95	26.54	10.71	7.33	1.94	0.82	37.62	24.34	5.26
2100	12.47	27.48	9.89	7.07	2.17	0.84	36.76	24.07	5.65
2200	11.55	28.64	8.39	6.56	2.51	0.86	36.55	23.91	6.14
2300	10.27	30.62	6.79	5.90	3.17	0.88	37.34	23.23	6.53
2400	8.57	32.64	5.47	5.21	4.10	0.88	37.00	22.51	6.77
2500	6.60	35.03	4.49	4.51	5.61	0.87	40.45	20.53	7.79

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 = 8.00V, Id = 346.71mA @ 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)
20	14.27	22.02	6.79	10.48	1.22	0.82	39.74	28.90	3.38
30	14.68	21.29	11.47	15.26	1.24	0.78	42.50	29.00	3.24
40	14.72	21.22	14.34	17.16	1.26	0.77	45.96	28.76	3.08
50	14.74	21.11	15.93	17.41	1.26	0.76	47.79	28.94	3.07
60	14.79	21.15	16.75	17.53	1.26	0.76	48.50	29.09	3.07
70	14.81	21.09	17.34	17.76	1.25	0.75	48.80	29.13	3.06
80	14.85	21.06	17.84	17.72	1.25	0.75	50.72	29.22	2.98
90	14.87	20.96	18.08	17.78	1.24	0.74	51.56	29.21	2.92
100	14.89	20.96	18.32	17.85	1.24	0.74	50.92	29.20	2.88
150	14.95	20.94	18.68	17.56	1.23	0.73	50.61	29.26	2.91
200	14.98	20.87	18.65	16.93	1.22	0.72	50.57	29.39	2.82
250	14.98	20.91	18.20	16.13	1.22	0.72	49.77	29.47	2.90
300	14.97	20.94	17.70	15.31	1.22	0.72	50.99	29.64	2.94
350	14.97	20.91	17.15	14.64	1.21	0.71	48.73	29.52	2.94
400	14.97	20.98	16.80	14.26	1.21	0.71	49.24	29.53	3.02
450	14.96	21.12	16.82	13.95	1.22	0.71	48.47	29.58	3.03
500	14.98	21.15	16.85	13.92	1.23	0.71	48.15	29.62	3.14
550	14.99	21.10	17.10	14.05	1.22	0.71	48.71	29.53	3.15
600	15.01	21.12	17.46	14.29	1.23	0.71	49.31	29.51	3.17
650	15.03	21.26	18.05	14.65	1.24	0.72	49.51	29.59	3.21
700	15.05	21.26	18.54	15.04	1.24	0.72	49.90	29.48	3.22
750	15.09	21.29	19.50	15.72	1.24	0.73	48.77	29.52	3.30
800	15.12	21.32	20.35	16.28	1.24	0.73	46.85	29.40	3.39
850	15.16	21.36	21.51	17.25	1.25	0.74	46.02	29.31	3.47
900	15.18	21.45	22.19	18.24	1.26	0.75	45.41	29.02	3.58
950	15.19	21.50	22.56	19.42	1.26	0.76	45.64	28.96	3.55
1000	15.19	21.59	22.33	20.45	1.27	0.77	45.97	28.62	3.56
1100	15.17	21.86	20.90	21.48	1.29	0.79	48.06	27.57	3.62
1200	15.12	22.13	19.07	20.11	1.31	0.81	53.16	26.90	3.79
1300	15.03	22.42	17.46	17.41	1.33	0.82	47.54	26.69	4.03
1400	14.91	22.81	15.98	14.85	1.36	0.84	44.73	26.23	4.04
1500	14.77	23.27	14.60	12.64	1.40	0.84	42.71	26.65	4.15
1600	14.54	23.70	13.30	10.83	1.44	0.83	40.61	26.47	4.29
1700	14.25	24.30	12.24	9.45	1.51	0.82	39.93	25.82	4.55
1800	13.89	24.98	11.51	8.43	1.61	0.82	38.89	25.10	4.70
1900	13.42	25.75	10.91	7.65	1.75	0.81	38.02	24.17	4.90
2000	12.76	26.90	10.41	7.16	2.01	0.82	37.20	23.07	5.16
2100	12.25	27.70	9.62	6.90	2.23	0.84	36.06	22.83	5.56
2200	11.30	29.02	8.15	6.41	2.63	0.86	35.46	22.73	6.03
2300	9.99	30.75	6.66	5.81	3.26	0.88	36.44	22.07	6.47
2400	8.27	32.64	5.39	5.15	4.18	0.88	36.51	21.37	6.67
2500	6.29	35.37	4.46	4.48	5.96	0.87	39.33	20.04	7.65

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 = 9.50V, Id = 417.35mA @ 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)
20	14.31	21.82	6.75	10.49	1.20	0.81	40.04	30.36	3.47
30	14.73	21.34	11.49	15.35	1.24	0.78	42.96	30.41	3.30
40	14.77	21.18	14.35	17.21	1.25	0.77	45.60	30.15	3.15
50	14.79	21.14	15.94	17.44	1.25	0.76	48.49	30.29	3.13
60	14.84	21.12	16.91	17.75	1.25	0.75	48.91	30.43	3.18
70	14.86	20.95	17.48	17.90	1.24	0.74	50.44	30.49	3.12
80	14.90	21.13	18.04	17.83	1.25	0.75	50.84	30.56	3.05
90	14.92	21.02	18.24	17.90	1.24	0.74	51.80	30.55	2.98
100	14.94	21.02	18.52	17.97	1.24	0.74	51.41	30.53	2.97
150	15.00	20.97	18.97	17.67	1.23	0.73	50.57	30.54	2.98
200	15.03	20.89	18.97	17.08	1.22	0.72	52.56	30.67	2.90
250	15.03	21.00	18.52	16.26	1.22	0.72	49.80	30.71	2.98
300	15.02	20.96	17.99	15.48	1.21	0.72	50.59	30.84	3.02
350	15.02	20.97	17.45	14.81	1.21	0.71	51.33	30.71	3.01
400	15.01	21.07	17.10	14.40	1.22	0.71	50.84	30.75	3.10
450	15.01	21.03	17.07	14.19	1.22	0.71	50.14	30.85	3.15
500	15.02	21.18	17.15	14.06	1.23	0.71	50.57	30.92	3.18
550	15.04	21.08	17.45	14.21	1.22	0.71	49.50	30.83	3.21
600	15.05	21.18	17.82	14.46	1.23	0.72	49.89	30.83	3.24
650	15.08	21.24	18.44	14.80	1.23	0.72	51.18	30.94	3.30
700	15.09	21.27	18.93	15.25	1.24	0.72	50.48	30.86	3.31
750	15.13	21.29	19.98	15.91	1.24	0.73	50.33	30.90	3.38
800	15.17	21.34	20.89	16.53	1.24	0.73	49.08	30.80	3.51
850	15.21	21.34	22.24	17.51	1.24	0.74	47.57	30.75	3.57
900	15.23	21.41	22.99	18.49	1.25	0.74	46.60	30.51	3.62
950	15.24	21.52	23.43	19.87	1.26	0.76	46.43	30.49	3.67
1000	15.25	21.59	23.13	20.91	1.27	0.76	46.75	30.24	3.68
1100	15.23	21.81	21.47	22.17	1.28	0.78	47.00	29.38	3.70
1200	15.19	22.12	19.64	20.95	1.31	0.80	48.73	28.65	3.87
1300	15.11	22.35	18.08	18.07	1.32	0.82	49.31	28.44	4.05
1400	15.00	22.82	16.66	15.43	1.36	0.84	46.17	28.07	4.17
1500	14.88	23.08	15.26	13.12	1.38	0.83	44.12	28.09	4.21
1600	14.67	23.63	13.92	11.22	1.43	0.83	42.11	27.99	4.38
1700	14.40	24.21	12.81	9.79	1.50	0.82	41.34	27.39	4.60
1800	14.07	24.86	12.01	8.72	1.59	0.81	39.98	26.75	4.78
1900	13.62	25.64	11.34	7.93	1.73	0.81	38.77	25.93	5.02
2000	12.99	26.60	10.86	7.39	1.95	0.82	37.98	24.87	5.31
2100	12.52	27.51	10.03	7.11	2.17	0.84	37.16	24.58	5.68
2200	11.61	28.84	8.47	6.61	2.56	0.86	37.12	24.38	6.14
2300	10.34	30.54	6.85	5.93	3.13	0.88	37.88	23.70	6.53
2400	8.65	32.54	5.51	5.23	4.04	0.88	37.43	22.99	6.76
2500	6.68	34.71	4.51	4.54	5.37	0.87	41.19	20.69	7.71