Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

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

TEST CONDITIONS: Vd = 5V, Id = 68.97 mA @ Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	18.31	20.45	6.67	7.96	0.69	0.60	38.09	21.11	1.67
30.0	17.09	19.71	9.50	10.85	0.84	0.59	39.13	21.33	1.80
40.0	16.48	19.49	11.62	13.05	0.93	0.59	37.56	20.97	1.70
50.0	16.14	19.43	13.19	14.71	0.98	0.60	37.08	20.91	1.70
60.0	15.89	19.24	14.59	16.30	1.01	0.59	38.85	21.12	1.65
70.0	15.76	19.29	15.79	17.54	1.03	0.59	39.79	21.12	1.66
80.0	15.66	19.22	16.78	18.66	1.04	0.59	39.02	20.96	1.79
90.0	15.60	19.22	17.52	19.61	1.05	0.59	40.45	20.95	1.74
100.0	15.55	19.20	18.20	20.42	1.06	0.59	39.70	20.93	1.74
150.0	15.43	19.20	20.31	23.45	1.08	0.59	41.15	20.90	1.80
200.0	15.37	19.20	21.14	25.15	1.09	0.60	41.01	20.62	1.73
250.0	15.34	19.22	21.50	25.79	1.09	0.60	42.38	20.75	1.88
300.0	15.32	19.22	21.51	26.44	1.09	0.60	41.91	20.72	1.90
350.0	15.30	19.25	21.28	26.17	1.10	0.60	40.68	20.87	1.94
400.0	15.29	19.28	20.94	26.09	1.10	0.61	41.63	20.91	1.90
450.0	15.27	19.31	20.70	25.63	1.10	0.61	43.87	20.87	1.95
500.0	15.25	19.35	20.38	25.22	1.10	0.62	40.25	20.82	1.95
600.0	15.23	19.46	19.61	24.20	1.11	0.63	40.64	20.83	2.01
700.0	15.20	19.53	19.08	23.29	1.12	0.64	42.76	20.89	1.99
800.0	15.17	19.65	18.68	22.38	1.12	0.65	41.11	20.86	1.87
900.0	15.14	19.79	18.41	21.55	1.13	0.66	39.29	20.52	1.93
1000.0	15.11	19.94	18.38	20.76	1.15	0.67	38.02	20.56	1.89
1050.0	15.10	20.01	18.40	20.47	1.15	0.67	38.00	20.54	1.92
1100.0	15.10	20.09	18.49	20.08	1.16	0.68	38.43	20.55	1.97
1200.0	15.08	20.28	18.87	19.57	1.17	0.69	39.06	20.57	1.96
1300.0	15.07	20.45	19.59	19.00	1.18	0.70	38.33	20.28	1.92
1400.0	15.06	20.67	20.60	18.44	1.20	0.71	36.88	20.13	1.93
1500.0	15.07	20.90	22.04	18.03	1.22	0.72	36.55	20.14	1.91
1600.0	15.09	21.13	24.19	17.60	1.23	0.73	37.49	20.23	1.94
1700.0	15.11	21.41	26.07	17.13	1.25	0.75	36.10	19.86	1.83
1800.0	15.15	21.69	25.61	16.71	1.27	0.76	35.85	19.82	1.88
1900.0	15.20	22.05	22.55	16.21	1.29	0.78	35.24	19.46	1.89
2000.0	15.29	22.39	19.29	15.63	1.29	0.80	34.84	19.42	1.89
2100.0	15.37	22.85	16.59	14.94	1.31	0.83	34.41	19.46	1.85
2200.0	15.47	23.44	14.44	14.10	1.32	0.86	34.15	19.53	1.92
2300.0	15.59	24.11	12.76	13.15	1.34	0.90	33.56	19.34	1.86
2400.0	15.73	24.91	11.48	12.05	1.36	0.93	33.47	19.39	1.89
2500.0	15.90	25.93	10.55	10.84	1.41	0.95	33.14	19.18	1.84
2600.0	16.05	27.35	10.14	9.61	1.51	0.96	32.48	19.41	2.00
2700.0	16.21	29.04	10.15	8.32	1.68	0.94	32.78	19.56	2.06
2800.0	16.31	31.25	10.79	7.10	2.03	0.89	32.31	19.74	2.08
2900.0	16.31	33.15	12.13	5.98	2.42	0.80	32.44	20.07	2.11
3000.0	16.17	33.54	13.98	5.02	2.50	0.69	32.31	20.28	2.17

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 = 4.75V, Id =64.86 mA @ Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	18.28	20.34	6.62	7.94	0.69	0.59	37.52	20.68	1.62
30.0	17.06	19.76	9.47	10.83	0.84	0.60	40.24	20.94	1.69
40.0	16.44	19.50	11.58	13.02	0.93	0.60	36.32	20.62	1.66
50.0	16.10	19.23	13.18	14.72	0.97	0.58	36.92	20.55	1.68
60.0	15.84	19.18	14.55	16.26	1.00	0.58	37.65	20.75	1.66
70.0	15.71	19.25	15.75	17.47	1.03	0.59	38.30	20.75	1.65
80.0	15.61	19.20	16.75	18.57	1.04	0.59	37.44	20.60	1.73
90.0	15.55	19.17	17.50	19.49	1.05	0.59	40.20	20.58	1.72
100.0	15.50	19.17	18.16	20.32	1.06	0.59	40.85	20.55	1.74
150.0	15.38	19.16	20.29	23.24	1.08	0.59	38.60	20.54	1.81
200.0	15.32	19.13	21.20	24.94	1.09	0.59	38.42	20.28	1.71
250.0	15.29	19.18	21.53	25.55	1.09	0.60	40.57	20.38	1.85
300.0	15.27	19.21	21.51	26.12	1.09	0.60	41.36	20.38	1.91
350.0	15.25	19.23	21.30	25.93	1.10	0.61	39.68	20.48	1.91
400.0	15.24	19.24	20.99	25.87	1.10	0.61	40.48	20.53	1.89
450.0	15.22	19.26	20.75	25.47	1.10	0.61	44.34	20.48	1.95
500.0	15.20	19.29	20.41	25.09	1.10	0.61	40.88	20.45	1.87
600.0	15.18	19.40	19.65	24.11	1.11	0.63	41.05	20.44	1.99
700.0	15.15	19.49	19.12	23.29	1.12	0.64	39.60	20.52	1.96
800.0	15.12	19.62	18.71	22.40	1.12	0.65	41.62	20.47	1.82
900.0	15.10	19.74	18.46	21.58	1.13	0.66	38.85	20.17	1.88
1000.0	15.06	19.89	18.43	20.81	1.14	0.67	36.85	20.19	1.88
1050.0	15.05	19.96	18.44	20.55	1.15	0.67	36.91	20.15	1.91
1100.0	15.05	20.04	18.55	20.20	1.16	0.68	37.59	20.20	1.97
1200.0	15.03	20.24	18.92	19.67	1.17	0.69	38.01	20.21	2.00
1300.0	15.03	20.40	19.64	19.13	1.18	0.70	37.51	19.92	1.90
1400.0	15.02	20.62	20.62	18.58	1.20	0.71	36.46	19.74	1.93
1500.0	15.03	20.83	22.09	18.20	1.22	0.72	35.76	19.72	1.89
1600.0	15.05	21.10	24.15	17.79	1.24	0.74	36.63	19.82	1.88
1700.0	15.08	21.36	26.02	17.35	1.25	0.75	35.54	19.45	1.86
1800.0	15.12	21.66	25.42	16.93	1.27	0.76	35.58	19.41	1.85
1900.0	15.17	22.00	22.43	16.43	1.28	0.78	34.82	19.06	1.89
2000.0	15.25	22.40	19.24	15.89	1.30	0.81	34.52	19.01	1.86
2100.0	15.34	22.80	16.54	15.20	1.31	0.83	33.82	19.08	1.83
2200.0	15.45	23.39	14.40	14.35	1.32	0.86	34.19	19.12	1.90
2300.0	15.56	24.11	12.75	13.43	1.35	0.90	33.72	18.93	1.85
2400.0	15.71	24.92	11.48	12.33	1.38	0.93	33.12	19.03	1.89
2500.0	15.88	25.97	10.56	11.09	1.42	0.95	32.69	18.82	1.80
2600.0	16.03	27.46	10.15	9.85	1.55	0.96	32.63	19.03	1.98
2700.0	16.19	29.33	10.17	8.54	1.76	0.94	32.59	19.19	2.02
2800.0	16.29	31.68	10.82	7.30	2.16	0.89	32.39	19.36	2.05
2900.0	16.29	33.88	12.17	6.15	2.67	0.81	32.42	19.71	2.05
3000.0	16.15	34.03	14.03	5.19	2.69	0.71	32.40	19.89	2.10

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 = 73.09 mA @ Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	18.33	20.45	6.70	8.00	0.70	0.59	41.09	21.50	1.72
30.0	17.12	19.80	9.54	10.89	0.85	0.59	38.21	21.66	1.83
40.0	16.51	19.52	11.64	13.10	0.93	0.59	37.55	21.28	1.75
50.0	16.17	19.50	13.24	14.77	0.98	0.60	36.69	21.21	1.73
60.0	15.93	19.33	14.68	16.35	1.01	0.59	38.30	21.45	1.69
70.0	15.80	19.32	15.81	17.64	1.03	0.59	38.75	21.44	1.69
80.0	15.70	19.29	16.79	18.72	1.04	0.59	38.34	21.27	1.81
90.0	15.64	19.28	17.56	19.69	1.05	0.59	40.35	21.26	1.77
100.0	15.59	19.23	18.18	20.52	1.06	0.59	41.88	21.24	1.78
150.0	15.47	19.22	20.31	23.60	1.08	0.59	40.37	21.20	1.79
200.0	15.42	19.23	21.14	25.39	1.09	0.59	42.08	20.94	1.74
250.0	15.39	19.25	21.47	26.10	1.09	0.60	42.54	21.05	1.86
300.0	15.37	19.27	21.42	26.68	1.09	0.60	42.43	21.03	1.90
350.0	15.35	19.27	21.24	26.37	1.09	0.60	42.88	21.15	1.95
400.0	15.33	19.33	20.92	26.25	1.10	0.61	40.27	21.23	1.93
450.0	15.32	19.35	20.65	25.94	1.10	0.61	41.90	21.17	1.93
500.0	15.30	19.40	20.29	25.37	1.10	0.62	41.62	21.14	1.93
600.0	15.27	19.47	19.55	24.31	1.11	0.62	43.07	21.14	2.01
700.0	15.24	19.56	19.03	23.32	1.12	0.63	42.25	21.21	2.03
800.0	15.21	19.68	18.60	22.41	1.12	0.64	42.79	21.17	1.91
900.0	15.18	19.82	18.37	21.57	1.13	0.66	40.14	20.84	1.61
1000.0	15.15	19.98	18.31	20.72	1.15	0.67	39.29	20.87	1.93
1050.0	15.14	20.06	18.35	20.44	1.15	0.68	38.97	20.84	1.94
1100.0	15.13	20.14	18.43	20.08	1.16	0.68	40.90	20.85	1.98
1200.0	15.12	20.33	18.80	19.51	1.17	0.69	39.94	20.86	1.97
1300.0	15.10	20.51	19.52	18.92	1.19	0.70	38.56	20.58	1.95
1400.0	15.10	20.72	20.50	18.37	1.20	0.71	37.66	20.43	1.98
1500.0	15.10	20.94	21.95	17.93	1.22	0.72	37.63	20.43	1.92
1600.0	15.12	21.18	24.13	17.49	1.24	0.73	38.27	20.57	1.88
1700.0	15.14	21.42	26.15	17.02	1.25	0.75	36.76	20.20	1.86
1800.0	15.18	21.76	25.77	16.57	1.27	0.76	37.29	20.15	1.89
1900.0	15.23	22.06	22.66	16.04	1.28	0.78	36.16	19.79	1.94
2000.0	15.31	22.42	19.37	15.48	1.29	0.80	35.46	19.73	1.89
2100.0	15.39	22.89	16.61	14.76	1.31	0.83	35.43	19.79	1.86
2200.0	15.49	23.42	14.45	13.90	1.32	0.86	34.60	19.84	1.96
2300.0	15.60	24.10	12.78	12.99	1.34	0.89	34.43	19.64	1.90
2400.0	15.75	24.93	11.49	11.87	1.36	0.93	33.55	19.71	1.94
2500.0	15.91	25.84	10.55	10.68	1.39	0.95	33.60	19.51	1.85
2600.0	16.06	27.20	10.14	9.45	1.48	0.95	33.09	19.71	2.03
2700.0	16.22	28.93	10.14	8.17	1.65	0.93	33.18	19.86	2.06
2800.0	16.32	31.05	10.79	6.96	1.96	0.88	32.64	20.05	2.07
2900.0	16.32	32.84	12.13	5.85	2.31	0.79	32.91	20.37	2.15
3000.0	16.17	33.13	13.96	4.91	2.36	0.68	32.52	20.56	2.17

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 = 5V, Id =62.96 mA @ Temperature = -45degC

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)
20.0	18.31	20.06	6.27	7.37	0.63	0.60	35.66	21.08	1.24
30.0	16.91	19.33	9.03	10.01	0.80	0.60	35.79	21.36	1.30
40.0	16.15	19.01	11.11	11.99	0.89	0.59	37.30	20.90	1.38
50.0	15.72	18.93	12.71	13.40	0.95	0.60	36.76	20.89	1.37
60.0	15.40	18.69	14.14	14.72	0.99	0.58	38.96	21.14	1.35
70.0	15.22	18.74	15.26	15.69	1.02	0.59	39.70	21.14	1.35
80.0	15.10	18.71	16.26	16.53	1.03	0.59	40.53	20.97	1.51
90.0	15.01	18.68	17.09	17.26	1.05	0.59	39.17	20.96	1.48
100.0	14.95	18.65	17.78	17.88	1.05	0.59	43.65	20.94	1.48
150.0	14.80	18.60	20.36	20.00	1.08	0.59	46.46	20.90	1.50
200.0	14.74	18.61	21.79	20.75	1.09	0.59	44.58	20.63	1.48
250.0	14.70	18.64	22.32	20.33	1.09	0.59	44.02	20.82	1.59
300.0	14.69	18.63	22.40	19.91	1.10	0.59	45.02	20.77	1.66
350.0	14.67	18.68	21.92	19.26	1.10	0.59	45.04	20.97	1.66
400.0	14.67	18.69	21.76	19.08	1.10	0.59	41.69	21.01	1.63
450.0	14.66	18.75	21.59	18.95	1.10	0.60	41.47	20.99	1.66
500.0	14.66	18.75	21.37	18.83	1.10	0.60	48.08	20.93	1.64
600.0	14.67	18.86	20.99	18.49	1.11	0.60	45.01	20.92	1.75
700.0	14.68	18.96	21.08	18.19	1.11	0.61	39.97	21.03	1.71
800.0	14.70	19.06	21.13	17.86	1.12	0.61	41.68	21.00	1.56
900.0	14.72	19.18	21.08	17.33	1.12	0.62	39.77	20.62	1.62
1000.0	14.74	19.34	21.40	16.76	1.13	0.63	38.01	20.70	1.60
1050.0	14.75	19.42	21.60	16.51	1.13	0.63	38.96	20.70	1.61
1100.0	14.78	19.47	21.92	16.17	1.13	0.63	38.99	20.73	1.66
1200.0	14.81	19.64	22.67	15.58	1.14	0.64	39.08	20.76	1.67
1300.0	14.87	19.85	24.07	15.11	1.15	0.64	37.96	20.45	1.58
1400.0	14.92	20.02	26.26	14.70	1.15	0.65	37.58	20.26	1.60
1500.0	15.00	20.24	30.53	14.33	1.16	0.66	36.65	20.29	1.57
1600.0	15.09	20.50	45.26	14.03	1.16	0.67	37.35	20.44	1.57
1700.0	15.20	20.72	30.89	13.78	1.16	0.68	35.77	19.99	1.43
1800.0	15.31	21.05	24.22	13.39	1.17	0.70	35.89	19.92	1.48
1900.0	15.44	21.35	20.11	12.97	1.16	0.72	34.91	19.51	1.50
2000.0	15.61	21.70	17.03	12.60	1.15	0.75	35.03	19.48	1.45
2100.0	15.77	22.13	14.60	12.17	1.14	0.78	34.23	19.54	1.40
2200.0	15.95	22.66	12.71	11.63	1.12	0.82	34.48	19.63	1.51
2300.0	16.14	23.27	11.17	11.06	1.11	0.87	34.19	19.42	1.39
2400.0	16.35	24.05	9.98	10.30	1.10	0.91	33.76	19.48	1.47
2500.0	16.56	25.00	9.10	9.41	1.10	0.94	33.82	19.31	1.36
2600.0	16.76	26.22	8.68	8.44	1.13	0.95	33.06	19.52	1.55
2700.0	16.95	27.74	8.65	7.36	1.21	0.94	33.54	19.74	1.61
2800.0	17.08	29.64	9.20	6.28	1.38	0.88	33.16	19.96	1.60
2900.0	17.12	31.70	10.40	5.23	1.66	0.78	33.41	20.35	1.62
3000.0	17.01	32.67	12.26	4.32	1.83	0.66	33.47	20.65	1.66

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 =60.52 mA @ Temperature = -45degC

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)
20.0	18.29	19.99	6.28	7.40	0.64	0.59	39.99	20.67	1.24
30.0	16.90	19.31	9.05	10.04	0.80	0.59	36.67	20.96	1.38
40.0	16.15	19.02	11.13	12.02	0.89	0.59	37.12	20.50	1.35
50.0	15.72	18.78	12.78	13.50	0.95	0.58	36.14	20.48	1.37
60.0	15.41	18.67	14.08	14.83	0.98	0.58	38.87	20.72	1.34
70.0	15.24	18.76	15.30	15.79	1.02	0.59	39.10	20.72	1.33
80.0	15.11	18.71	16.30	16.69	1.03	0.59	40.80	20.56	1.50
90.0	15.03	18.69	17.14	17.41	1.05	0.59	41.68	20.55	1.44
100.0	14.97	18.67	17.87	18.09	1.06	0.59	42.14	20.53	1.46
150.0	14.82	18.61	20.48	20.26	1.08	0.59	42.78	20.51	1.46
200.0	14.76	18.62	21.87	21.06	1.09	0.59	43.02	20.21	1.47
250.0	14.73	18.62	22.47	20.74	1.09	0.59	43.55	20.38	1.59
300.0	14.71	18.67	22.53	20.22	1.10	0.59	44.29	20.37	1.64
350.0	14.68	18.67	22.13	19.58	1.10	0.59	45.32	20.54	1.65
400.0	14.69	18.72	21.94	19.39	1.10	0.59	44.01	20.59	1.63
450.0	14.68	18.76	21.71	19.22	1.10	0.60	47.51	20.56	1.67
500.0	14.68	18.77	21.45	19.12	1.10	0.60	50.38	20.53	1.66
600.0	14.69	18.84	21.07	18.80	1.11	0.60	44.37	20.50	1.73
700.0	14.69	18.95	21.06	18.48	1.11	0.61	41.59	20.62	1.71
800.0	14.71	19.04	21.10	18.12	1.12	0.61	41.54	20.55	1.57
900.0	14.73	19.19	20.99	17.59	1.12	0.62	39.87	20.23	1.63
1000.0	14.74	19.35	21.27	17.02	1.13	0.63	37.83	20.28	1.60
1050.0	14.76	19.41	21.50	16.75	1.13	0.63	37.47	20.28	1.60
1100.0	14.78	19.50	21.77	16.41	1.14	0.63	38.44	20.33	1.65
1200.0	14.81	19.66	22.54	15.81	1.14	0.64	38.09	20.37	1.65
1300.0	14.86	19.84	23.84	15.34	1.15	0.65	37.38	20.07	1.58
1400.0	14.91	20.05	25.90	14.92	1.16	0.65	36.87	19.87	1.62
1500.0	14.99	20.28	29.84	14.54	1.16	0.66	36.15	19.88	1.56
1600.0	15.08	20.49	39.96	14.26	1.17	0.67	37.00	20.02	1.56
1700.0	15.18	20.75	31.30	13.99	1.17	0.69	35.12	19.58	1.47
1800.0	15.29	21.04	24.54	13.61	1.17	0.71	35.48	19.52	1.44
1900.0	15.41	21.36	20.33	13.18	1.17	0.73	34.71	19.10	1.50
2000.0	15.57	21.73	17.20	12.82	1.16	0.75	35.02	19.07	1.46
2100.0	15.73	22.14	14.75	12.38	1.15	0.79	34.16	19.14	1.38
2200.0	15.91	22.68	12.83	11.84	1.14	0.83	33.95	19.22	1.50
2300.0	16.09	23.31	11.27	11.25	1.13	0.87	34.14	19.02	1.39
2400.0	16.30	24.08	10.07	10.49	1.12	0.91	33.37	19.12	1.46
2500.0	16.51	25.02	9.20	9.59	1.12	0.94	33.48	18.91	1.35
2600.0	16.71	26.25	8.76	8.60	1.16	0.95	33.23	19.12	1.55
2700.0	16.90	27.87	8.72	7.50	1.25	0.94	33.36	19.35	1.56
2800.0	17.03	29.81	9.27	6.40	1.43	0.88	33.14	19.55	1.57
2900.0	17.07	31.88	10.48	5.34	1.72	0.79	33.42	19.95	1.64
3000.0	16.97	32.80	12.35	4.42	1.89	0.67	33.51	20.24	1.67

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 = 66.71 mA @ Temperature = -45degC

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)
20.0	18.35	20.03	6.29	7.39	0.63	0.59	37.97	21.56	1.27
30.0	16.94	19.33	9.06	10.03	0.80	0.59	38.75	21.77	1.41
40.0	16.18	19.00	11.14	11.97	0.89	0.59	39.55	21.33	1.38
50.0	15.75	18.88	12.75	13.39	0.95	0.59	38.07	21.30	1.39
60.0	15.44	18.74	14.16	14.73	0.99	0.58	38.69	21.56	1.35
70.0	15.26	18.74	15.27	15.66	1.01	0.59	40.64	21.56	1.36
80.0	15.13	18.73	16.27	16.52	1.03	0.59	38.29	21.40	1.51
90.0	15.05	18.71	17.08	17.23	1.05	0.59	38.64	21.40	1.50
100.0	14.99	18.71	17.80	17.83	1.06	0.59	44.84	21.38	1.48
150.0	14.84	18.65	20.37	19.88	1.08	0.59	47.05	21.34	1.54
200.0	14.77	18.64	21.74	20.62	1.09	0.59	43.03	21.03	1.47
250.0	14.74	18.66	22.27	20.24	1.09	0.59	42.10	21.22	1.58
300.0	14.73	18.66	22.31	19.80	1.09	0.59	46.74	21.22	1.64
350.0	14.70	18.71	21.88	19.16	1.10	0.59	44.10	21.37	1.68
400.0	14.70	18.75	21.65	18.95	1.10	0.59	40.78	21.45	1.65
450.0	14.70	18.77	21.53	18.78	1.10	0.59	41.69	21.40	1.67
500.0	14.70	18.80	21.30	18.73	1.10	0.60	42.93	21.40	1.67
600.0	14.71	18.87	20.94	18.38	1.11	0.60	45.27	21.37	1.76
700.0	14.72	18.97	21.05	18.10	1.11	0.61	40.63	21.45	1.74
800.0	14.74	19.09	21.09	17.77	1.12	0.61	40.34	21.40	1.59
900.0	14.76	19.23	21.03	17.25	1.12	0.62	40.23	21.07	1.61
1000.0	14.78	19.36	21.36	16.66	1.13	0.63	38.61	21.14	1.68
1050.0	14.79	19.45	21.59	16.42	1.13	0.63	39.43	21.11	1.63
1100.0	14.81	19.51	21.87	16.08	1.13	0.63	40.03	21.17	1.68
1200.0	14.85	19.69	22.61	15.51	1.14	0.64	37.91	21.19	1.68
1300.0	14.90	19.87	24.02	15.05	1.15	0.64	38.26	20.86	1.59
1400.0	14.96	20.07	26.23	14.63	1.15	0.65	37.24	20.68	1.62
1500.0	15.04	20.29	30.50	14.26	1.16	0.66	37.35	20.71	1.57
1600.0	15.13	20.52	47.95	13.97	1.16	0.67	37.70	20.87	1.58
1700.0	15.23	20.77	31.03	13.70	1.16	0.68	35.68	20.43	1.50
1800.0	15.35	21.06	24.24	13.31	1.16	0.70	35.64	20.35	1.47
1900.0	15.48	21.40	20.10	12.88	1.16	0.73	35.29	19.92	1.51
2000.0	15.64	21.71	17.00	12.53	1.15	0.75	35.37	19.90	1.48
2100.0	15.81	22.16	14.59	12.11	1.14	0.78	34.83	19.94	1.47
2200.0	15.99	22.67	12.67	11.55	1.12	0.82	34.45	20.06	1.51
2300.0	16.18	23.27	11.13	10.97	1.10	0.86	34.76	19.82	1.42
2400.0	16.39	24.09	9.95	10.23	1.10	0.91	33.76	19.88	1.48
2500.0	16.60	24.99	9.07	9.34	1.09	0.94	34.21	19.73	1.35
2600.0	16.79	26.22	8.65	8.36	1.12	0.95	33.56	19.92	1.54
2700.0	16.99	27.71	8.61	7.28	1.19	0.93	33.76	20.16	1.59
2800.0	17.12	29.62	9.15	6.21	1.36	0.88	33.55	20.35	1.59
2900.0	17.15	31.58	10.35	5.17	1.61	0.78	33.69	20.76	1.62
3000.0	17.04	32.42	12.18	4.28	1.76	0.65	33.72	21.04	1.66

Typical Performance Data

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

TEST CONDITIONS: Vd = 5V, Id = 70.46 mA @ Temperature = +85degC

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)
20.0	18.22	20.60	6.87	8.27	0.73	0.59	37.67	20.45	2.11
30.0	17.14	20.04	9.63	11.29	0.88	0.59	36.45	20.51	2.09
40.0	16.62	19.82	11.64	13.59	0.95	0.59	36.84	20.12	2.00
50.0	16.35	19.83	13.03	15.35	1.00	0.61	36.42	20.09	2.03
60.0	16.14	19.75	14.34	17.05	1.03	0.61	38.59	20.33	1.97
70.0	16.04	19.66	15.30	18.53	1.04	0.60	37.29	20.38	1.97
80.0	15.96	19.58	16.11	19.83	1.05	0.60	37.00	20.19	2.05
90.0	15.91	19.56	16.67	21.02	1.06	0.60	38.55	20.21	2.01
100.0	15.87	19.59	17.23	22.09	1.07	0.60	38.52	20.20	2.02
150.0	15.77	19.55	18.74	26.41	1.08	0.60	38.24	20.17	2.05
200.0	15.72	19.57	19.14	29.77	1.09	0.60	38.07	19.94	1.96
250.0	15.68	19.54	19.14	32.90	1.09	0.60	38.83	20.03	2.13
300.0	15.66	19.61	18.81	36.82	1.09	0.61	39.27	19.97	2.14
350.0	15.63	19.59	18.42	41.90	1.09	0.61	38.59	20.11	2.24
400.0	15.61	19.64	18.06	53.34	1.10	0.62	39.29	20.15	2.16
450.0	15.58	19.67	17.81	44.49	1.10	0.63	39.57	20.11	2.17
500.0	15.56	19.72	17.52	39.82	1.10	0.63	37.96	20.02	2.22
600.0	15.51	19.79	16.93	34.26	1.11	0.64	39.15	20.05	2.27
700.0	15.45	19.89	16.53	31.68	1.12	0.66	39.39	20.11	2.29
800.0	15.39	20.00	16.16	29.79	1.13	0.67	39.93	20.03	2.16
900.0	15.33	20.12	15.96	27.98	1.14	0.69	37.55	19.69	2.30
1000.0	15.27	20.28	15.98	26.42	1.15	0.70	37.40	19.65	2.19
1050.0	15.24	20.37	16.00	25.92	1.16	0.71	37.35	19.65	2.22
1100.0	15.22	20.44	16.05	25.32	1.17	0.71	37.19	19.68	2.26
1200.0	15.16	20.60	16.35	24.40	1.18	0.73	37.66	19.72	2.30
1300.0	15.11	20.79	16.87	23.38	1.21	0.74	37.54	19.48	2.22
1400.0	15.06	21.00	17.57	22.38	1.23	0.75	36.13	19.35	2.26
1500.0	15.02	21.20	18.56	21.68	1.25	0.76	36.30	19.31	2.22
1600.0	14.99	21.48	20.04	20.93	1.28	0.77	36.30	19.44	2.23
1700.0	14.96	21.71	21.65	20.13	1.30	0.78	35.55	19.12	2.18
1800.0	14.95	22.04	23.13	19.41	1.34	0.80	35.63	19.09	2.22
1900.0	14.95	22.34	23.08	18.65	1.36	0.81	35.33	18.72	2.27
2000.0	14.97	22.75	21.07	17.88	1.39	0.83	34.78	18.62	2.25
2100.0	15.01	23.23	18.44	16.88	1.43	0.85	34.13	18.68	2.21
2200.0	15.05	23.76	16.13	15.77	1.46	0.88	34.03	18.68	2.33
2300.0	15.12	24.40	14.24	14.63	1.49	0.90	33.69	18.50	2.24
2400.0	15.23	25.32	12.76	13.32	1.56	0.93	32.96	18.55	2.31
2500.0	15.35	26.33	11.69	11.89	1.62	0.95	32.64	18.32	2.22
2600.0	15.48	27.86	11.18	10.47	1.79	0.96	32.42	18.51	2.45
2700.0	15.62	29.63	11.19	9.03	2.03	0.94	32.46	18.62	2.51
2800.0	15.70	32.11	11.89	7.67	2.54	0.89	31.97	18.81	2.54
2900.0	15.69	33.91	13.35	6.45	3.00	0.81	32.05	19.14	2.57
3000.0	15.52	33.47	15.16	5.46	2.83	0.71	31.81	19.32	2.66

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 = 67.01 mA @ Temperature = +85degC

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)
20.0	18.20	20.64	6.85	8.30	0.73	0.60	38.35	20.20	2.03
30.0	17.12	20.02	9.60	11.28	0.88	0.60	36.16	20.29	2.11
40.0	16.60	19.81	11.61	13.58	0.95	0.60	35.52	19.92	1.99
50.0	16.32	19.61	13.03	15.32	0.99	0.59	36.38	19.89	2.02
60.0	16.11	19.48	14.23	17.05	1.01	0.58	37.93	20.12	1.95
70.0	16.00	19.59	15.30	18.47	1.04	0.60	38.93	20.16	1.95
80.0	15.92	19.55	16.15	19.79	1.05	0.60	38.75	19.99	2.03
90.0	15.87	19.53	16.73	20.93	1.06	0.60	37.55	19.99	1.99
100.0	15.83	19.55	17.24	21.93	1.07	0.60	37.68	19.99	2.01
150.0	15.73	19.50	18.78	26.16	1.08	0.60	38.34	19.95	1.99
200.0	15.68	19.52	19.19	29.23	1.09	0.60	38.37	19.72	1.95
250.0	15.64	19.56	19.20	31.78	1.09	0.61	38.32	19.80	2.09
300.0	15.62	19.54	18.86	35.44	1.09	0.61	37.63	19.76	2.16
350.0	15.59	19.57	18.52	38.88	1.09	0.62	38.96	19.89	2.21
400.0	15.57	19.61	18.11	44.36	1.10	0.62	39.23	19.95	2.15
450.0	15.54	19.66	17.86	44.32	1.10	0.63	38.55	19.91	2.17
500.0	15.52	19.67	17.59	40.59	1.10	0.63	38.37	19.81	2.17
600.0	15.47	19.76	17.03	34.92	1.11	0.65	37.84	19.83	2.25
700.0	15.41	19.86	16.56	32.45	1.12	0.66	39.52	19.90	2.29
800.0	15.35	19.96	16.22	30.51	1.13	0.67	38.22	19.82	2.14
900.0	15.30	20.07	16.02	28.66	1.14	0.69	37.41	19.47	2.20
1000.0	15.23	20.24	16.01	27.06	1.15	0.70	36.64	19.43	2.18
1050.0	15.20	20.30	16.04	26.52	1.16	0.71	36.79	19.44	2.18
1100.0	15.19	20.40	16.12	25.93	1.17	0.71	36.50	19.48	2.27
1200.0	15.13	20.56	16.40	25.02	1.18	0.73	37.45	19.51	2.29
1300.0	15.08	20.74	16.93	23.92	1.20	0.74	36.79	19.27	2.23
1400.0	15.03	20.96	17.61	22.90	1.23	0.75	35.84	19.12	2.27
1500.0	14.99	21.16	18.62	22.21	1.25	0.76	35.84	19.08	2.24
1600.0	14.96	21.42	20.08	21.43	1.28	0.77	35.89	19.20	2.20
1700.0	14.94	21.70	21.70	20.64	1.31	0.78	35.44	18.88	2.14
1800.0	14.92	22.02	23.14	19.96	1.34	0.80	35.35	18.86	2.19
1900.0	14.93	22.36	23.04	19.21	1.37	0.81	34.75	18.51	2.27
2000.0	14.96	22.73	20.98	18.43	1.39	0.83	33.96	18.40	2.24
2100.0	14.99	23.16	18.38	17.39	1.42	0.85	33.98	18.44	2.22
2200.0	15.04	23.74	16.09	16.28	1.46	0.88	33.63	18.46	2.29
2300.0	15.11	24.45	14.22	15.11	1.51	0.91	33.44	18.28	2.23
2400.0	15.22	25.30	12.75	13.78	1.56	0.94	32.78	18.34	2.28
2500.0	15.35	26.49	11.68	12.29	1.66	0.96	32.71	18.09	2.15
2600.0	15.47	27.97	11.17	10.82	1.83	0.97	32.27	18.29	2.42
2700.0	15.61	30.01	11.19	9.35	2.14	0.95	32.17	18.40	2.46
2800.0	15.70	32.75	11.89	7.96	2.77	0.90	31.95	18.60	2.50
2900.0	15.68	34.94	13.36	6.70	3.43	0.82	31.87	18.94	2.52
3000.0	15.52	34.06	15.17	5.68	3.08	0.73	31.93	19.12	2.62

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 = 73.78 mA @ Temperature = +85degC

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)
20.0	18.23	20.64	6.90	8.30	0.74	0.59	35.04	20.65	2.15
30.0	17.16	20.08	9.67	11.30	0.88	0.60	42.04	20.70	2.16
40.0	16.65	19.82	11.65	13.57	0.95	0.59	37.38	20.30	2.08
50.0	16.37	19.64	13.07	15.38	0.99	0.58	36.58	20.26	2.02
60.0	16.16	19.58	14.34	17.11	1.02	0.59	37.41	20.53	2.02
70.0	16.06	19.67	15.34	18.53	1.04	0.60	38.71	20.57	1.96
80.0	15.98	19.65	16.15	19.88	1.05	0.60	39.02	20.38	2.05
90.0	15.93	19.60	16.72	21.05	1.06	0.60	37.79	20.40	2.03
100.0	15.89	19.57	17.26	22.07	1.06	0.59	38.62	20.39	2.03
150.0	15.79	19.59	18.75	26.54	1.08	0.60	39.62	20.36	2.05
200.0	15.74	19.56	19.14	30.09	1.08	0.60	39.18	20.12	2.01
250.0	15.71	19.60	19.14	33.25	1.09	0.61	39.30	20.22	2.13
300.0	15.68	19.60	18.79	38.00	1.09	0.61	40.71	20.16	2.23
350.0	15.65	19.61	18.45	44.05	1.09	0.61	39.74	20.31	2.20
400.0	15.63	19.68	18.03	62.05	1.10	0.62	38.90	20.35	2.19
450.0	15.61	19.70	17.79	43.20	1.10	0.63	39.08	20.30	2.19
500.0	15.58	19.71	17.54	38.62	1.10	0.63	38.66	20.22	2.22
600.0	15.53	19.78	16.95	33.57	1.11	0.64	39.45	20.26	2.30
700.0	15.47	19.91	16.51	31.18	1.12	0.66	39.71	20.31	2.30
800.0	15.42	20.02	16.16	29.21	1.13	0.67	42.68	20.24	2.17
900.0	15.36	20.15	15.96	27.45	1.14	0.68	38.26	19.88	5.16
1000.0	15.29	20.33	15.95	25.98	1.15	0.70	37.49	19.86	2.22
1050.0	15.26	20.39	15.98	25.45	1.16	0.71	37.70	19.83	2.23
1100.0	15.24	20.46	16.06	24.90	1.17	0.71	37.21	19.86	2.31
1200.0	15.19	20.63	16.35	24.01	1.19	0.73	37.92	19.92	2.31
1300.0	15.14	20.84	16.87	22.96	1.21	0.74	37.68	19.68	2.26
1400.0	15.08	21.03	17.58	21.98	1.23	0.75	36.41	19.52	2.32
1500.0	15.04	21.25	18.56	21.32	1.25	0.76	37.18	19.51	2.24
1600.0	15.01	21.48	20.02	20.55	1.28	0.77	36.37	19.64	2.26
1700.0	14.98	21.77	21.69	19.76	1.31	0.78	36.36	19.32	2.23
1800.0	14.97	22.06	23.20	19.04	1.33	0.80	36.32	19.30	2.24
1900.0	14.97	22.39	23.18	18.28	1.36	0.81	35.17	18.93	2.28
2000.0	14.99	22.78	21.16	17.48	1.39	0.83	35.09	18.83	2.24
2100.0	15.02	23.20	18.48	16.54	1.42	0.85	34.68	18.86	2.21
2200.0	15.07	23.74	16.16	15.44	1.45	0.87	34.19	18.88	2.34
2300.0	15.14	24.42	14.26	14.33	1.49	0.90	34.02	18.70	2.29
2400.0	15.24	25.27	12.79	13.05	1.54	0.93	33.51	18.74	2.34
2500.0	15.36	26.28	11.71	11.63	1.61	0.95	33.23	18.51	2.23
2600.0	15.49	27.64	11.19	10.25	1.74	0.95	32.55	18.70	2.47
2700.0	15.63	29.55	11.18	8.83	2.00	0.93	32.66	18.79	2.55
2800.0	15.71	31.74	11.89	7.50	2.41	0.88	32.10	18.98	2.56
2900.0	15.69	33.38	13.35	6.30	2.80	0.80	32.33	19.30	2.60
3000.0	15.53	33.00	15.15	5.33	2.65	0.70	31.94	19.48	2.70