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 = 5.00V, Id = 149.45mA @ 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)
50.0	17.64	21.54	11.78	14.27	0.99	0.67	43.17	22.70	1.72
200.0	16.30	20.67	19.6	20.97	1.10	0.65	40.80	22.64	1.77
400.0	16.07	20.58	20.1	21.81	1.12	0.66	40.67	22.56	1.81
600.0	15.86	20.53	18.93	21.40	1.12	0.67	40.61	22.76	1.81
800.0	15.62	20.43	17.42	20.85	1.13	0.69	40.58	22.83	1.92
1000.0	15.34	20.32	16.32	19.99	1.13	0.71	41.00	22.92	1.95
1200.0	15.03	20.18	15.09	19.41	1.13	0.73	40.34	22.67	2.00
1400.0	14.71	20.04	14.26	18.61	1.13	0.74	40.48	22.70	2.05
1600.0	14.36	19.87	13.46	18.05	1.14	0.76	40.72	22.69	2.15
1800.0	14.01	19.74	12.91	17.56	1.14	0.78	40.94	22.48	2.16
2000.0	13.67	19.53	12.42	16.93	1.14	0.80	41.72	22.66	2.21
2200.0	13.36	19.38	12.09	16.43	1.14	0.81	40.58	22.47	2.24
2400.0	13.04	19.16	11.67	16.00	1.14	0.82	41.82	22.56	2.31
2600.0	12.74	18.96	11.5	15.53	1.14	0.83	42.20	22.80	2.36
2800.0	12.45	18.76	11.23	15.03	1.14	0.84	40.98	22.62	2.53
3000.0	12.17	18.56	11.09	14.64	1.13	0.85	41.76	22.66	2.42
3200.0	11.92	18.37	11.08	14.14	1.13	0.85	41.29	22.66	2.53
3400.0	11.70	18.17	10.93	13.88	1.12	0.85	41.59	22.87	2.57
3600.0	11.46	17.96	10.88	13.51	1.12	0.85	40.89	22.89	2.59
3800.0	11.27	17.70	10.68	13.16	1.10	0.85	40.97	22.91	2.75
4000.0	11.13	17.52	10.62	12.91	1.09	0.85	40.33	22.66	2.77
4200.0	10.92	17.26	10.39	12.66	1.08	0.85	40.42	22.61	2.82
4400.0	10.81	17.08	10.31	12.43	1.07	0.85	40.60	22.78	2.86
4600.0	10.67	16.80	10.05	12.16	1.04	0.85	40.35	22.63	3.00
4800.0	10.53	16.56	9.87	12.07	1.03	0.85	39.97	22.50	3.04
5000.0	10.43	16.39	9.83	12.05	1.02	0.84	40.74	22.89	3.12
5200.0	10.38	16.18	9.6	11.72	1.00	0.84	39.87	22.41	3.19
5400.0	10.24	15.91	9.49	11.76	0.99	0.83	39.25	22.04	3.26
5600.0	10.24	15.66	9.38	11.40	0.97	0.82	39.67	22.01	3.41
5800.0	10.17	15.41	9.05	11.03	0.95	0.81	40.32	22.10	3.51
6000.0	10.08	15.13	8.69	10.96	0.93	0.80	39.86	22.33	3.63
6200.0	9.99	14.97	8.27	10.49	0.91	0.79	38.60	22.03	3.72
6400.0	9.91	14.75	7.88	10.19	0.90	0.78	38.48	21.53	3.93
6600.0	9.74	14.58	7.2	9.96	0.89	0.78	39.67	21.38	4.03
6800.0	9.47	14.42	6.59	9.56	0.88	0.78	39.03	21.58	4.23
7000.0	9.16	14.49	5.8	8.99	0.88	0.79	38.32	21.46	4.53
7200.0	8.69	14.62	5.03	8.31	0.88	0.81	37.45	21.16	4.76
7400.0	8.01	14.56	4.61	7.79	0.91	0.81	37.10	20.75	5.05
7600.0	7.32	14.80	4.09	6.93	0.92	0.82	38.04	20.39	5.33
7800.0	6.56	14.95	3.61	6.41	0.93	0.84	36.97	19.92	5.62
8000.0	5.71	15.15	3.43	5.82	0.97	0.82	36.10	18.87	6.05

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 = 134.01mA @ 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)
50.0	17.58	21.21	11.61	14.44	0.97	0.65	41.60	22.13	1.73
200.0	16.25	20.63	19.41	21.25	1.11	0.65	42.89	22.09	1.73
400.0	16.03	20.58	19.92	22.16	1.12	0.66	41.61	22.01	1.79
600.0	15.82	20.49	18.83	21.73	1.12	0.67	41.55	22.21	1.84
800.0	15.58	20.41	17.36	21.11	1.13	0.69	41.02	22.29	1.92
1000.0	15.30	20.30	16.26	20.17	1.13	0.71	41.66	22.38	1.94
1200.0	14.99	20.18	15.04	19.55	1.13	0.73	40.64	22.14	2.01
1400.0	14.66	20.03	14.21	18.71	1.14	0.75	40.39	22.18	2.05
1600.0	14.32	19.87	13.42	18.10	1.14	0.77	40.13	22.18	2.16
1800.0	13.97	19.71	12.88	17.60	1.14	0.79	39.68	21.97	2.17
2000.0	13.63	19.52	12.38	16.91	1.14	0.80	39.76	22.15	2.17
2200.0	13.31	19.35	12.03	16.39	1.14	0.82	39.15	21.96	2.18
2400.0	13.00	19.14	11.61	15.96	1.14	0.83	39.26	22.04	2.30
2600.0	12.70	18.96	11.46	15.49	1.14	0.84	39.82	22.29	2.34
2800.0	12.41	18.76	11.19	14.95	1.13	0.84	39.11	22.11	2.49
3000.0	12.13	18.56	11.06	14.56	1.13	0.85	39.46	22.14	2.42
3200.0	11.88	18.38	11.04	14.07	1.13	0.85	38.70	22.15	2.48
3400.0	11.66	18.11	10.90	13.81	1.12	0.85	39.12	22.35	2.53
3600.0	11.42	17.98	10.83	13.44	1.12	0.86	38.37	22.35	2.59
3800.0	11.23	17.70	10.64	13.06	1.10	0.86	38.57	22.36	2.70
4000.0	11.09	17.52	10.56	12.80	1.09	0.85	38.35	22.13	2.72
4200.0	10.88	17.29	10.35	12.58	1.08	0.86	38.08	22.06	2.84
4400.0	10.77	17.10	10.25	12.35	1.07	0.86	38.21	22.21	2.81
4600.0	10.63	16.81	10.00	12.06	1.04	0.85	38.01	22.07	2.94
4800.0	10.49	16.59	9.83	11.96	1.03	0.85	37.56	21.93	2.98
5000.0	10.40	16.39	9.79	11.94	1.02	0.85	38.50	22.32	3.10
5200.0	10.33	16.17	9.56	11.61	1.00	0.84	37.69	21.84	3.20
5400.0	10.24	15.91	9.51	11.66	0.99	0.83	36.96	21.53	3.22
5600.0	10.18	15.69	9.29	11.28	0.97	0.83	37.53	21.47	3.36
5800.0	10.14	15.41	9.02	10.94	0.94	0.81	38.13	21.59	3.40
6000.0	10.03	15.13	8.65	10.85	0.93	0.81	37.71	21.79	3.54
6200.0	9.95	14.96	8.25	10.41	0.91	0.80	36.60	21.51	3.67
6400.0	9.86	14.73	7.83	10.12	0.89	0.79	36.41	21.01	3.83
6600.0	9.69	14.58	7.16	9.89	0.88	0.79	36.75	20.87	4.00
6800.0	9.43	14.46	6.54	9.48	0.88	0.79	36.55	21.05	4.12
7000.0	9.11	14.50	5.74	8.95	0.88	0.80	35.75	20.97	4.46
7200.0	8.63	14.66	5.04	8.30	0.89	0.82	35.06	20.65	4.67
7400.0	7.94	14.57	4.62	7.79	0.91	0.82	34.83	20.35	4.98
7600.0	7.25	14.82	4.10	6.97	0.92	0.83	35.22	20.14	5.24
7800.0	6.50	14.94	3.58	6.41	0.92	0.84	34.83	19.70	5.56
8000.0	5.64	15.20	3.45	5.84	0.97	0.83	33.78	18.67	5.92

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 = 161.11mA @ 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)
50.0	17.69	21.27	11.70	14.39	0.97	0.64	42.76	23.23	1.83
200.0	16.38	20.72	19.59	21.31	1.10	0.65	40.26	23.10	1.78
400.0	16.15	20.65	20.09	22.32	1.12	0.66	39.67	23.02	1.83
600.0	15.95	20.58	18.99	21.93	1.12	0.67	39.80	23.21	1.86
800.0	15.71	20.49	17.51	21.47	1.13	0.69	39.71	23.28	1.94
1000.0	15.43	20.39	16.41	20.62	1.13	0.71	40.48	23.37	1.97
1200.0	15.12	20.28	15.19	20.06	1.13	0.73	40.37	23.10	2.06
1400.0	14.80	20.15	14.36	19.24	1.14	0.75	40.77	23.13	2.12
1600.0	14.46	19.98	13.55	18.68	1.14	0.77	41.43	23.12	2.21
1800.0	14.11	19.88	12.99	18.21	1.15	0.79	41.73	22.89	2.21
2000.0	13.78	19.68	12.49	17.50	1.15	0.80	41.97	23.08	2.25
2200.0	13.46	19.50	12.15	16.97	1.15	0.82	42.55	22.89	2.26
2400.0	13.15	19.29	11.72	16.49	1.14	0.83	42.22	22.97	2.33
2600.0	12.85	19.10	11.55	16.00	1.14	0.84	44.18	23.25	2.42
2800.0	12.56	18.92	11.29	15.43	1.14	0.85	43.92	23.03	2.60
3000.0	12.29	18.72	11.14	15.02	1.14	0.85	45.16	23.08	2.52
3200.0	12.03	18.52	11.13	14.50	1.14	0.85	45.75	23.07	2.52
3400.0	11.82	18.32	10.96	14.16	1.13	0.86	44.51	23.31	2.59
3600.0	11.57	18.14	10.89	13.78	1.13	0.86	45.47	23.30	2.69
3800.0	11.38	17.86	10.70	13.38	1.11	0.86	47.31	23.33	2.78
4000.0	11.25	17.69	10.62	13.10	1.10	0.86	45.01	23.07	2.78
4200.0	11.03	17.40	10.39	12.83	1.08	0.86	45.20	23.04	2.88
4400.0	10.93	17.24	10.29	12.59	1.07	0.86	45.27	23.23	2.92
4600.0	10.79	16.96	10.03	12.30	1.04	0.86	45.51	23.09	3.06
4800.0	10.65	16.73	9.84	12.17	1.03	0.85	47.90	22.96	3.12
5000.0	10.57	16.55	9.78	12.10	1.02	0.85	46.77	23.37	3.21
5200.0	10.51	16.31	9.56	11.79	1.00	0.85	46.38	22.84	3.29
5400.0	10.38	16.04	9.46	11.87	0.99	0.84	43.81	22.48	3.36
5600.0	10.35	15.82	9.31	11.42	0.97	0.83	46.11	22.41	3.52
5800.0	10.30	15.55	8.99	11.09	0.94	0.82	51.85	22.54	3.57
6000.0	10.23	15.22	8.67	11.05	0.92	0.80	44.45	22.76	3.69
6200.0	10.12	15.06	8.21	10.60	0.90	0.80	44.26	22.46	3.81
6400.0	10.04	14.85	7.82	10.31	0.89	0.79	46.10	21.88	4.03
6600.0	9.88	14.67	7.15	10.11	0.88	0.79	51.02	21.78	4.11
6800.0	9.62	14.51	6.53	9.72	0.87	0.79	46.59	21.99	4.37
7000.0	9.29	14.56	5.79	9.17	0.87	0.80	46.04	21.90	4.63
7200.0	8.83	14.73	5.00	8.55	0.88	0.83	45.74	21.46	4.83
7400.0	8.12	14.62	4.61	7.97	0.90	0.83	44.14	20.99	5.19
7600.0	7.44	14.92	4.06	7.16	0.91	0.84	46.80	20.61	5.48
7800.0	6.69	14.98	3.58	6.56	0.92	0.85	44.11	20.15	5.74
8000.0	5.82	15.31	3.43	6.00	0.98	0.84	41.54	19.05	6.18

Typical Performance Data

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

TEST CONDITIONS: Vd = 5.00V, Id = 145.38mA @ 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)
50.0	17.39	20.84	12.04	13.58	0.95	0.63	41.00	22.69	1.62
200.0	15.76	20.11	20.06	18.45	1.10	0.63	38.23	22.69	1.53
400.0	15.53	20.06	21.09	18.69	1.12	0.64	38.06	22.63	1.55
600.0	15.36	19.98	19.98	18.64	1.13	0.65	38.05	22.83	1.57
800.0	15.17	19.92	18.56	18.61	1.13	0.66	38.04	22.94	1.63
1000.0	14.94	19.86	17.46	18.30	1.14	0.68	38.48	22.99	1.63
1200.0	14.69	19.74	16.16	18.16	1.14	0.69	38.08	22.79	1.67
1400.0	14.43	19.63	15.25	17.80	1.14	0.71	38.25	22.85	1.74
1600.0	14.14	19.49	14.43	17.64	1.15	0.73	38.67	22.83	1.80
1800.0	13.86	19.38	13.81	17.43	1.15	0.74	38.97	22.62	1.77
2000.0	13.56	19.25	13.36	17.07	1.15	0.76	39.05	22.80	1.84
2200.0	13.29	19.06	12.98	16.91	1.15	0.77	38.64	22.62	1.80
2400.0	13.02	18.89	12.54	16.70	1.15	0.78	39.00	22.68	1.90
2600.0	12.77	18.72	12.38	16.38	1.15	0.79	40.15	22.91	1.96
2800.0	12.52	18.51	12.07	15.86	1.14	0.80	39.57	22.76	2.08
3000.0	12.27	18.34	11.87	15.61	1.14	0.81	39.90	22.79	2.02
3200.0	12.05	18.20	11.93	15.26	1.14	0.81	39.80	22.81	1.98
3400.0	11.87	17.99	11.74	15.04	1.13	0.82	40.32	23.02	2.03
3600.0	11.67	17.80	11.54	14.59	1.12	0.82	40.41	23.05	2.05
3800.0	11.50	17.54	11.43	14.15	1.11	0.82	40.52	23.07	2.16
4000.0	11.37	17.33	11.28	13.88	1.10	0.81	39.59	22.85	2.16
4200.0	11.16	17.16	11.12	13.73	1.09	0.82	39.95	22.81	2.24
4400.0	11.08	16.96	10.88	13.43	1.07	0.82	40.26	22.99	2.29
4600.0	10.96	16.71	10.59	13.17	1.06	0.81	39.97	22.88	2.38
4800.0	10.84	16.48	10.40	12.89	1.04	0.81	39.82	22.76	2.42
5000.0	10.74	16.26	10.16	12.80	1.02	0.81	40.82	23.17	2.50
5200.0	10.71	16.12	9.97	12.55	1.01	0.81	39.56	22.68	2.52
5400.0	10.65	15.88	9.92	12.39	0.99	0.80	39.01	22.36	2.56
5600.0	10.59	15.63	9.74	11.83	0.97	0.78	39.38	22.21	2.71
5800.0	10.55	15.37	9.44	11.60	0.95	0.77	40.43	22.24	2.74
6000.0	10.51	15.09	9.14	11.47	0.93	0.76	40.39	22.50	2.86
6200.0	10.45	14.85	8.66	11.03	0.91	0.74	39.03	22.28	2.92
6400.0	10.46	14.63	8.33	10.86	0.90	0.73	38.19	21.78	3.08
6600.0	10.33	14.43	7.58	10.46	0.88	0.72	38.78	21.55	3.16
6800.0	10.24	14.20	6.87	10.08	0.88	0.69	39.12	21.78	3.35
7000.0	9.94	14.17	6.04	9.31	0.87	0.70	38.31	21.75	3.62
7200.0	9.56	14.28	5.14	8.37	0.86	0.72	37.10	21.48	3.77
7400.0	9.00	14.35	4.50	7.60	0.86	0.72	36.69	21.20	4.06
7600.0	8.37	14.42	3.92	6.76	0.85	0.73	37.52	21.04	4.22
7800.0	7.74	15.04	3.23	5.93	0.86	0.74	36.63	20.79	4.59
8000.0	6.87	15.07	2.97	5.46	0.89	0.74	35.50	19.76	4.88

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= 128.27 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)
50.0	17.33	21.21	11.92	13.70	0.97	0.67	40.31	22.03	1.66
200.0	15.74	20.09	20.12	18.86	1.10	0.64	38.70	22.03	1.49
400.0	15.51	20.02	21.21	19.16	1.12	0.64	38.33	21.99	1.55
600.0	15.34	19.97	20.04	19.06	1.13	0.65	38.30	22.18	1.56
800.0	15.15	19.94	18.53	18.97	1.13	0.67	38.44	22.29	1.61
1000.0	14.92	19.80	17.40	18.59	1.13	0.68	39.18	22.33	1.65
1200.0	14.67	19.72	16.09	18.40	1.14	0.70	38.23	22.17	1.68
1400.0	14.40	19.61	15.17	17.95	1.14	0.71	38.31	22.21	1.72
1600.0	14.11	19.50	14.34	17.73	1.15	0.73	38.68	22.21	1.81
1800.0	13.82	19.34	13.71	17.49	1.15	0.75	38.53	22.02	1.81
2000.0	13.52	19.21	13.26	17.02	1.15	0.76	38.67	22.18	1.82
2200.0	13.25	19.04	12.87	16.80	1.15	0.78	37.99	22.03	1.84
2400.0	12.98	18.84	12.44	16.61	1.15	0.79	38.59	22.12	1.87
2600.0	12.72	18.69	12.25	16.23	1.15	0.80	39.52	22.31	1.96
2800.0	12.47	18.49	11.95	15.68	1.14	0.81	38.71	22.17	2.05
3000.0	12.22	18.30	11.77	15.42	1.14	0.81	39.31	22.20	2.00
3200.0	12.00	18.17	11.83	15.05	1.14	0.82	38.59	22.23	1.99
3400.0	11.81	17.94	11.63	14.83	1.13	0.82	38.80	22.44	1.99
3600.0	11.62	17.76	11.41	14.39	1.12	0.82	38.46	22.43	2.11
3800.0	11.44	17.51	11.31	13.96	1.11	0.82	38.58	22.47	2.09
4000.0	11.31	17.33	11.17	13.69	1.09	0.82	37.86	22.28	2.16
4200.0	11.11	17.12	11.00	13.56	1.09	0.82	37.68	22.23	2.21
4400.0	11.03	16.91	10.77	13.26	1.07	0.82	37.79	22.38	2.26
4600.0	10.90	16.67	10.48	12.98	1.05	0.82	37.61	22.29	2.30
4800.0	10.78	16.47	10.29	12.71	1.04	0.82	37.46	22.20	2.37
5000.0	10.68	16.25	10.07	12.66	1.02	0.81	38.65	22.53	2.46
5200.0	10.65	16.09	9.88	12.40	1.01	0.81	37.10	22.09	2.56
5400.0	10.59	15.85	9.82	12.23	0.99	0.80	36.72	21.80	2.55
5600.0	10.53	15.60	9.64	11.71	0.97	0.79	37.04	21.66	2.65
5800.0	10.48	15.35	9.34	11.48	0.95	0.77	37.68	21.69	2.70
6000.0	10.44	15.06	9.05	11.37	0.93	0.76	37.23	21.97	2.80
6200.0	10.38	14.81	8.59	10.92	0.91	0.75	36.36	21.77	2.85
6400.0	10.38	14.58	8.24	10.76	0.89	0.73	36.01	21.27	3.05
6600.0	10.26	14.41	7.50	10.35	0.88	0.73	36.20	21.03	3.15
6800.0	10.15	14.18	6.80	9.96	0.87	0.70	36.16	21.27	3.32
7000.0	9.86	14.17	5.98	9.23	0.86	0.71	35.66	21.27	3.49
7200.0	9.46	14.30	5.10	8.29	0.85	0.73	35.06	20.96	3.70
7400.0	8.90	14.34	4.47	7.55	0.86	0.73	34.54	20.67	3.95
7600.0	8.27	14.46	3.90	6.73	0.85	0.74	34.91	20.58	4.25
7800.0	7.64	15.01	3.22	5.91	0.86	0.75	34.60	20.51	4.50
8000.0	6.76	15.07	2.97	5.45	0.88	0.75	33.68	19.53	4.87

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 = 5.25V, Id = 157.3mA @ 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)
50.0	17.45	21.00	12.09	13.66	0.96	0.64	42.02	23.20	1.65
200.0	15.86	20.21	20.14	18.65	1.10	0.64	37.84	23.25	1.51
400.0	15.63	20.14	21.21	18.92	1.12	0.64	37.51	23.18	1.55
600.0	15.47	20.08	20.05	18.83	1.13	0.65	37.83	23.37	1.56
800.0	15.27	20.03	18.57	18.80	1.13	0.67	37.79	23.46	1.63
1000.0	15.04	19.91	17.44	18.47	1.13	0.68	38.42	23.53	1.63
1200.0	14.79	19.84	16.15	18.33	1.14	0.70	38.07	23.32	1.71
1400.0	14.52	19.71	15.23	17.97	1.14	0.71	38.05	23.37	1.78
1600.0	14.23	19.58	14.39	17.79	1.15	0.73	38.66	23.34	1.85
1800.0	13.94	19.45	13.76	17.61	1.15	0.75	38.57	23.12	1.82
2000.0	13.64	19.30	13.33	17.17	1.15	0.76	39.22	23.30	1.84
2200.0	13.37	19.14	12.94	17.04	1.15	0.77	39.08	23.11	1.83
2400.0	13.10	18.99	12.52	16.83	1.15	0.79	39.29	23.18	1.95
2600.0	12.84	18.76	12.33	16.47	1.15	0.79	40.27	23.43	2.00
2800.0	12.58	18.58	12.02	15.92	1.14	0.80	39.90	23.26	2.10
3000.0	12.34	18.41	11.84	15.67	1.14	0.81	40.75	23.29	2.03
3200.0	12.11	18.22	11.93	15.25	1.14	0.81	40.18	23.29	2.04
3400.0	11.93	18.01	11.72	15.05	1.13	0.82	41.23	23.53	2.08
3600.0	11.73	17.80	11.51	14.58	1.12	0.82	41.32	23.54	2.13
3800.0	11.56	17.56	11.40	14.15	1.11	0.81	41.63	23.57	2.20
4000.0	11.42	17.38	11.25	13.91	1.10	0.82	40.75	23.32	2.21
4200.0	11.22	17.20	11.08	13.74	1.09	0.82	41.81	23.31	2.30
4400.0	11.14	17.00	10.88	13.46	1.07	0.82	41.78	23.49	2.33
4600.0	11.01	16.74	10.57	13.19	1.05	0.81	42.10	23.37	2.43
4800.0	10.89	16.51	10.38	12.87	1.04	0.81	41.42	23.26	2.48
5000.0	10.79	16.32	10.14	12.84	1.02	0.81	43.56	23.63	2.55
5200.0	10.77	16.15	9.96	12.57	1.01	0.81	42.31	23.14	2.61
5400.0	10.70	15.90	9.91	12.33	0.99	0.79	41.21	22.84	2.62
5600.0	10.64	15.62	9.71	11.84	0.97	0.78	42.06	22.68	2.76
5800.0	10.60	15.40	9.42	11.61	0.95	0.77	43.71	22.70	2.81
6000.0	10.56	15.10	9.12	11.53	0.93	0.75	43.79	22.97	2.91
6200.0	10.50	14.86	8.64	11.05	0.91	0.74	41.34	22.76	2.97
6400.0	10.51	14.60	8.31	10.88	0.89	0.72	41.08	22.20	3.16
6600.0	10.39	14.41	7.56	10.52	0.88	0.72	41.67	21.98	3.22
6800.0	10.28	14.24	6.84	10.04	0.87	0.70	42.16	22.21	3.44
7000.0	9.99	14.19	6.01	9.35	0.86	0.70	41.38	22.20	3.69
7200.0	9.60	14.34	5.11	8.35	0.85	0.72	40.16	21.90	3.85
7400.0	9.04	14.31	4.47	7.61	0.85	0.72	39.71	21.61	4.14
7600.0	8.41	14.45	3.90	6.83	0.85	0.74	39.94	21.30	4.37
7800.0	7.78	14.92	3.21	5.96	0.85	0.74	39.42	21.01	4.69
8000.0	6.90	15.09	2.96	5.48	0.88	0.75	37.91	19.92	5.06

Typical Performance Data

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

TEST CONDITIONS: Vd = 5.00V, Id = 139.6mA @ 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)
50.0	17.77	21.94	11.35	14.63	1.01	0.69	43.75	22.68	2.14
200.0	16.64	21.04	17.86	23.23	1.11	0.66	42.54	22.50	2.09
400.0	16.41	20.98	17.64	25.23	1.12	0.67	42.35	22.42	1.91
600.0	16.18	20.92	17.04	23.77	1.12	0.69	42.40	22.62	2.05
800.0	15.90	20.82	15.78	22.66	1.12	0.71	42.53	22.67	2.14
1000.0	15.59	20.68	14.96	21.29	1.13	0.73	43.46	22.78	2.26
1200.0	15.24	20.53	13.98	20.22	1.13	0.75	42.75	22.52	2.30
1400.0	14.89	20.35	13.31	19.15	1.13	0.77	43.63	22.57	2.31
1600.0	14.51	20.20	12.62	18.31	1.13	0.80	44.49	22.57	2.51
1800.0	14.14	19.98	12.15	17.50	1.13	0.81	44.54	22.38	2.40
2000.0	13.76	19.84	11.73	16.81	1.13	0.83	45.06	22.57	2.48
2200.0	13.42	19.66	11.43	16.10	1.14	0.84	44.11	22.35	2.52
2400.0	13.07	19.44	11.08	15.63	1.13	0.86	44.90	22.46	2.62
2600.0	12.75	19.27	10.92	15.15	1.14	0.87	46.75	22.71	2.79
2800.0	12.45	19.01	10.62	14.56	1.12	0.87	45.45	22.48	2.83
3000.0	12.15	18.81	10.47	14.13	1.12	0.88	46.23	22.55	2.92
3200.0	11.85	18.63	10.50	13.67	1.13	0.88	45.33	22.51	3.05
3400.0	11.63	18.43	10.35	13.29	1.12	0.89	45.55	22.72	3.16
3600.0	11.38	18.25	10.30	12.98	1.12	0.89	46.13	22.70	3.13
3800.0	11.17	18.01	10.13	12.61	1.10	0.89	45.81	22.70	2.97
4000.0	11.00	17.76	9.96	12.22	1.08	0.89	46.26	22.42	3.18
4200.0	10.77	17.57	9.94	12.16	1.08	0.89	45.36	22.35	3.27
4400.0	10.65	17.38	9.83	11.92	1.07	0.89	46.92	22.50	3.38
4600.0	10.50	17.09	9.64	11.59	1.04	0.89	45.16	22.37	3.43
4800.0	10.38	16.88	9.49	11.48	1.03	0.88	45.26	22.23	3.61
5000.0	10.26	16.68	9.48	11.46	1.02	0.88	44.12	22.64	3.67
5200.0	10.23	16.44	9.23	11.11	0.99	0.88	44.13	22.15	3.87
5400.0	10.09	16.13	9.23	10.90	0.98	0.86	44.45	21.81	3.92
5600.0	10.03	15.89	9.00	10.75	0.96	0.86	43.05	21.84	3.92
5800.0	9.95	15.62	8.68	10.53	0.93	0.85	41.52	22.01	3.99
6000.0	9.88	15.32	8.44	10.52	0.92	0.84	41.51	22.13	4.23
6200.0	9.74	15.13	8.00	10.29	0.90	0.84	44.23	21.81	4.26
6400.0	9.59	14.95	7.63	10.03	0.89	0.84	41.94	21.33	4.61
6600.0	9.38	14.80	7.09	9.92	0.89	0.84	41.04	21.29	4.66
6800.0	9.05	14.69	6.43	9.72	0.89	0.86	41.10	21.44	5.14
7000.0	8.62	14.75	5.73	9.30	0.90	0.88	42.23	21.30	5.33
7200.0	8.12	15.00	5.03	8.69	0.92	0.90	42.12	20.78	5.59
7400.0	7.36	15.04	4.65	8.25	0.96	0.91	42.51	20.23	5.71
7600.0	6.63	15.24	4.07	7.49	0.97	0.93	42.07	19.86	6.17
7800.0	5.82	15.44	3.79	6.90	1.01	0.92	46.35	19.29	6.23
8000.0	4.96	15.75	3.52	6.27	1.06	0.91	44.82	18.26	6.81

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 = 132.97mA @ 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)
50.0	17.73	21.46	11.32	14.59	0.99	0.65	42.03	22.15	2.09
200.0	16.61	21.01	17.59	23.30	1.11	0.66	43.70	21.98	2.05
400.0	16.37	20.94	17.39	25.23	1.12	0.67	44.00	21.90	2.05
600.0	16.14	20.89	16.81	23.65	1.12	0.69	44.30	22.11	2.13
800.0	15.86	20.78	15.61	22.52	1.12	0.71	44.00	22.17	2.23
1000.0	15.54	20.64	14.81	21.14	1.12	0.73	48.28	22.27	2.29
1200.0	15.20	20.51	13.84	20.03	1.13	0.76	45.74	22.02	2.35
1400.0	14.84	20.33	13.21	18.93	1.13	0.78	45.82	22.07	2.43
1600.0	14.46	20.15	12.53	18.08	1.13	0.80	46.71	22.08	2.50
1800.0	14.09	19.98	12.06	17.31	1.13	0.82	49.58	21.88	2.53
2000.0	13.71	19.80	11.65	16.61	1.13	0.83	50.14	22.07	2.59
2200.0	13.36	19.63	11.35	15.89	1.13	0.85	45.36	21.86	2.60
2400.0	13.02	19.41	11.01	15.43	1.13	0.86	48.39	21.97	2.73
2600.0	12.70	19.24	10.84	14.95	1.13	0.87	51.82	22.20	2.83
2800.0	12.39	18.98	10.55	14.36	1.12	0.88	50.72	21.98	2.96
3000.0	12.09	18.82	10.42	13.97	1.12	0.88	47.49	22.04	2.95
3200.0	11.77	18.60	10.48	13.50	1.13	0.88	47.71	22.01	2.97
3400.0	11.57	18.39	10.29	13.13	1.11	0.89	45.67	22.20	3.07
3600.0	11.32	18.25	10.23	12.84	1.12	0.89	44.42	22.19	3.12
3800.0	11.11	17.99	10.07	12.46	1.10	0.89	44.71	22.17	3.24
4000.0	10.93	17.74	9.91	12.09	1.08	0.89	45.71	21.92	3.27
4200.0	10.71	17.54	9.87	11.99	1.08	0.89	44.61	21.83	3.34
4400.0	10.58	17.34	9.76	11.77	1.06	0.89	43.83	21.98	3.41
4600.0	10.43	17.08	9.59	11.47	1.04	0.89	42.64	21.84	3.52
4800.0	10.31	16.85	9.45	11.36	1.03	0.89	42.23	21.70	3.55
5000.0	10.19	16.68	9.46	11.35	1.02	0.88	41.68	22.11	3.68
5200.0	10.16	16.41	9.19	10.96	0.99	0.88	42.68	21.64	3.84
5400.0	10.01	16.11	9.20	10.77	0.98	0.87	41.71	21.32	3.87
5600.0	9.95	15.87	8.97	10.64	0.95	0.86	42.83	21.35	4.00
5800.0	9.87	15.59	8.64	10.43	0.93	0.86	42.74	21.50	4.05
6000.0	9.82	15.29	8.45	10.41	0.92	0.84	41.77	21.63	4.24
6200.0	9.66	15.12	7.97	10.18	0.90	0.85	41.47	21.31	4.38
6400.0	9.51	14.96	7.62	9.94	0.89	0.85	43.55	20.84	4.61
6600.0	9.29	14.77	7.09	9.84	0.89	0.84	43.00	20.78	4.76
6800.0	8.95	14.71	6.44	9.66	0.89	0.86	43.12	20.95	4.96
7000.0	8.52	14.75	5.74	9.25	0.90	0.88	42.24	20.84	5.29
7200.0	8.02	15.01	5.00	8.63	0.92	0.90	42.01	20.48	5.57
7400.0	7.24	15.03	4.68	8.20	0.97	0.91	42.76	19.97	5.88
7600.0	6.51	15.25	4.10	7.46	0.98	0.93	43.10	19.63	6.17
7800.0	5.71	15.49	3.80	6.86	1.02	0.93	40.44	19.08	6.51
8000.0	4.85	15.72	3.54	6.25	1.07	0.91	38.63	18.08	6.93

Typical Performance Data

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

TEST CONDITIONS: Vd = 5.25V, Id = 159.13mA @ 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)
50.0	17.83	21.65	11.35	14.76	0.99	0.66	43.15	23.13	2.24
200.0	16.72	21.13	17.70	23.47	1.11	0.66	41.90	22.94	2.09
400.0	16.49	21.05	17.45	25.56	1.12	0.67	41.90	22.85	2.17
600.0	16.26	20.99	16.89	24.11	1.12	0.69	41.82	23.06	2.19
800.0	15.98	20.85	15.68	23.02	1.12	0.71	41.89	23.10	2.27
1000.0	15.67	20.77	14.87	21.61	1.13	0.73	42.82	23.22	2.34
1200.0	15.32	20.64	13.91	20.49	1.13	0.76	41.95	22.96	2.41
1400.0	14.96	20.45	13.26	19.42	1.13	0.78	41.27	23.01	2.51
1600.0	14.58	20.31	12.58	18.55	1.13	0.80	43.03	23.04	2.56
1800.0	14.21	20.13	12.12	17.70	1.14	0.82	42.17	22.83	2.60
2000.0	13.84	19.96	11.70	17.04	1.14	0.84	41.54	23.03	2.67
2200.0	13.49	19.75	11.41	16.27	1.14	0.85	41.64	22.82	2.70
2400.0	13.15	19.59	11.05	15.78	1.14	0.86	41.57	22.91	2.84
2600.0	12.83	19.36	10.88	15.29	1.14	0.87	42.32	23.19	2.91
2800.0	12.52	19.11	10.57	14.68	1.13	0.88	41.71	22.94	3.08
3000.0	12.22	18.93	10.43	14.23	1.13	0.88	41.59	23.00	3.06
3200.0	11.91	18.79	10.48	13.84	1.14	0.89	40.79	22.94	3.05
3400.0	11.70	18.52	10.29	13.36	1.12	0.89	41.03	23.16	3.12
3600.0	11.46	18.34	10.19	13.02	1.11	0.89	41.62	23.16	3.19
3800.0	11.24	18.10	10.05	12.66	1.10	0.89	41.71	23.16	3.32
4000.0	11.06	17.85	9.89	12.27	1.08	0.89	41.17	22.88	3.39
4200.0	10.84	17.66	9.86	12.14	1.08	0.89	41.34	22.79	3.49
4400.0	10.71	17.49	9.73	11.93	1.07	0.89	41.28	22.99	3.55
4600.0	10.56	17.20	9.55	11.59	1.04	0.89	40.59	22.85	3.68
4800.0	10.44	16.96	9.42	11.45	1.02	0.89	40.18	22.70	3.76
5000.0	10.34	16.79	9.42	11.44	1.02	0.89	40.46	23.12	3.85
5200.0	10.29	16.51	9.14	11.03	0.98	0.88	40.20	22.61	3.97
5400.0	10.15	16.23	9.16	10.87	0.97	0.87	40.43	22.28	4.00
5600.0	10.08	15.95	8.90	10.71	0.95	0.86	39.30	22.33	4.17
5800.0	10.00	15.68	8.58	10.52	0.93	0.86	39.43	22.47	4.27
6000.0	9.96	15.38	8.39	10.52	0.91	0.85	39.02	22.60	4.45
6200.0	9.80	15.20	7.92	10.30	0.90	0.85	39.41	22.26	4.59
6400.0	9.65	15.03	7.56	10.07	0.88	0.85	38.23	21.81	4.81
6600.0	9.44	14.84	7.00	10.00	0.88	0.85	37.65	21.76	5.00
6800.0	9.09	14.74	6.37	9.84	0.89	0.87	37.86	21.90	5.19
7000.0	8.66	14.80	5.67	9.44	0.89	0.89	37.87	21.55	5.55
7200.0	8.15	15.04	4.96	8.84	0.91	0.91	37.38	21.02	5.83
7400.0	7.39	15.04	4.61	8.38	0.95	0.92	37.48	20.43	6.16
7600.0	6.65	15.29	4.04	7.64	0.97	0.94	37.20	20.05	6.42
7800.0	5.85	15.47	3.76	7.02	1.01	0.94	37.91	19.47	6.76
8000.0	4.97	15.78	3.50	6.39	1.07	0.93	36.72	18.40	7.18

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 = 4.00V, Id = 91.22mA @ 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)
50.0	17.47	21.41	11.06	13.57	0.97	0.68	36.53	19.99	1.59
100.0	16.43	20.70	15.72	17.53	1.07	0.66	38.51	19.86	1.68
150.0	16.15	20.55	18.19	19.17	1.10	0.66	38.11	20.02	1.77
200.0	16.03	20.47	19.48	19.92	1.11	0.65	40.98	19.99	1.76
250.0	15.95	20.40	20.18	20.26	1.11	0.65	43.98	19.91	1.77
300.0	15.89	20.44	20.51	20.41	1.12	0.66	42.20	20.12	1.79
350.0	15.84	20.38	20.49	20.45	1.12	0.66	39.63	20.09	1.79
400.0	15.78	20.37	20.46	20.44	1.12	0.66	40.35	20.04	1.81
450.0	15.73	20.37	20.28	20.32	1.12	0.66	39.70	20.07	1.81
500.0	15.68	20.31	20.03	20.28	1.12	0.66	38.39	20.20	1.80
550.0	15.64	20.31	19.72	20.06	1.12	0.67	39.74	20.00	1.87
600.0	15.57	20.29	19.45	19.87	1.13	0.67	38.45	20.08	1.98
650.0	15.52	20.23	19.10	19.65	1.12	0.67	38.76	20.15	1.92
700.0	15.45	20.24	18.81	19.50	1.13	0.68	38.38	20.22	1.85
750.0	15.39	20.19	18.48	19.31	1.13	0.68	37.90	20.12	1.90
800.0	15.32	20.17	18.14	19.22	1.13	0.68	38.62	20.20	1.88
850.0	15.25	20.15	17.78	19.01	1.13	0.69	38.84	20.16	1.90
900.0	15.18	20.10	17.41	18.87	1.13	0.69	37.98	20.19	1.87
950.0	15.11	20.08	17.08	18.69	1.13	0.69	37.21	20.21	1.95
1000.0	15.03	20.02	16.71	18.53	1.13	0.70	36.84	20.19	1.92
1200.0	14.70	19.89	15.58	17.58	1.14	0.71	36.58	20.29	2.01
1400.0	14.36	19.74	14.56	16.95	1.14	0.73	36.75	20.23	2.05
1600.0	14.00	19.59	13.70	16.27	1.14	0.75	36.05	20.28	2.09
1800.0	13.63	19.40	12.98	15.67	1.15	0.77	35.77	20.12	2.09
2000.0	13.28	19.21	12.34	15.24	1.15	0.78	35.83	20.13	2.07
2200.0	12.91	19.07	11.94	14.87	1.15	0.80	35.29	20.27	2.09
2400.0	12.57	18.88	11.50	14.51	1.15	0.81	35.32	20.24	2.14
2600.0	12.21	18.75	11.28	14.24	1.17	0.83	35.01	20.22	2.37
2800.0	11.93	18.51	10.99	14.19	1.16	0.84	34.77	20.28	2.33
3000.0	11.63	18.31	10.70	13.88	1.16	0.84	34.37	20.18	2.30
3500.0	10.97	17.84	10.32	13.59	1.16	0.86	34.11	20.21	2.54
4000.0	10.45	17.33	9.83	13.28	1.14	0.88	33.89	20.20	2.56
4500.0	9.98	16.93	9.55	13.11	1.13	0.89	33.51	20.12	2.84
5000.0	9.68	16.40	9.17	12.53	1.09	0.88	33.31	20.10	2.94
5500.0	9.51	15.94	8.87	11.82	1.04	0.88	32.26	19.59	3.05
6000.0	9.33	15.38	8.54	11.16	1.00	0.85	32.33	19.55	3.14

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 = 4.50V, Id = 117.53mA @ 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)
50.0	17.72	21.50	11.37	13.63	0.96	0.67	38.69	21.41	1.65
100.0	16.68	20.83	16.02	17.58	1.06	0.65	42.91	21.23	1.69
150.0	16.40	20.68	18.58	19.17	1.09	0.64	42.73	21.42	1.79
200.0	16.29	20.64	19.95	19.89	1.10	0.64	46.70	21.39	1.75
250.0	16.21	20.61	20.67	20.25	1.11	0.64	41.58	21.28	1.79
300.0	16.15	20.54	21.03	20.37	1.11	0.64	44.13	21.54	1.84
350.0	16.10	20.54	21.06	20.51	1.11	0.65	51.58	21.49	1.79
400.0	16.05	20.58	20.98	20.50	1.12	0.65	43.05	21.45	1.81
450.0	16.00	20.54	20.81	20.47	1.12	0.65	44.14	21.49	1.81
500.0	15.95	20.51	20.57	20.45	1.12	0.65	44.18	21.61	1.82
550.0	15.90	20.50	20.26	20.27	1.12	0.66	41.47	21.39	1.86
600.0	15.84	20.50	20.00	20.10	1.13	0.66	40.46	21.48	1.97
650.0	15.79	20.45	19.64	19.98	1.13	0.66	42.28	21.57	1.93
700.0	15.73	20.44	19.37	19.89	1.13	0.67	41.12	21.65	1.87
750.0	15.67	20.44	18.96	19.71	1.13	0.67	43.08	21.53	1.89
800.0	15.60	20.38	18.65	19.69	1.13	0.67	42.32	21.63	1.92
850.0	15.53	20.34	18.25	19.56	1.13	0.68	42.58	21.58	1.93
900.0	15.46	20.33	17.88	19.44	1.13	0.68	42.04	21.61	1.91
950.0	15.39	20.32	17.55	19.30	1.14	0.69	41.87	21.63	1.95
1000.0	15.31	20.27	17.18	19.17	1.14	0.69	40.96	21.61	1.97
1200.0	14.99	20.15	16.01	18.39	1.14	0.71	42.39	21.71	2.02
1400.0	14.65	20.01	14.97	17.87	1.15	0.73	40.66	21.64	2.00
1600.0	14.30	19.86	14.08	17.26	1.15	0.75	39.50	21.72	2.10
1800.0	13.95	19.69	13.37	16.72	1.16	0.76	39.46	21.48	2.08
2000.0	13.60	19.50	12.69	16.36	1.16	0.78	40.21	21.51	2.10
2200.0	13.23	19.37	12.30	15.99	1.17	0.80	38.17	21.72	2.15
2400.0	12.91	19.15	11.83	15.64	1.17	0.81	39.41	21.65	2.17
2600.0	12.55	19.08	11.61	15.42	1.18	0.83	38.42	21.62	2.37
2800.0	12.28	18.82	11.30	15.35	1.17	0.84	38.54	21.72	2.35
3000.0	11.98	18.61	10.99	15.02	1.17	0.85	38.17	21.55	2.34
3500.0	11.33	18.19	10.57	14.71	1.17	0.87	37.99	21.62	2.57
4000.0	10.81	17.66	10.03	14.29	1.15	0.88	37.93	21.65	2.60
4500.0	10.36	17.26	9.72	14.10	1.14	0.89	36.89	21.62	2.94
5000.0	10.06	16.72	9.29	13.42	1.10	0.89	37.22	21.63	3.00
5500.0	9.90	16.22	8.94	12.56	1.04	0.88	35.72	20.92	3.11
6000.0	9.74	15.63	8.57	11.85	0.99	0.86	36.23	20.86	3.28

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 = 4.00V, Id = 87.36mA @ Temperature = -40degC

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)
50.0	17.25	20.72	11.33	13.11	0.94	0.64	35.16	19.63	1.37
100.0	16.02	20.18	15.88	16.12	1.05	0.65	37.14	19.59	1.45
150.0	15.66	20.00	18.45	17.36	1.09	0.64	37.37	19.72	1.51
200.0	15.52	19.93	19.89	17.90	1.10	0.64	39.95	19.70	1.50
250.0	15.44	19.91	20.75	18.12	1.11	0.64	39.77	19.67	1.54
300.0	15.38	19.87	21.16	18.19	1.12	0.64	40.79	19.80	1.52
350.0	15.33	19.83	21.18	18.16	1.12	0.64	40.46	19.79	1.54
400.0	15.28	19.85	21.03	18.12	1.12	0.64	41.90	19.73	1.58
450.0	15.24	19.84	20.86	18.02	1.13	0.64	39.85	19.76	1.57
500.0	15.20	19.81	20.63	18.02	1.13	0.64	40.60	19.88	1.58
550.0	15.16	19.79	20.38	18.02	1.13	0.65	38.50	19.76	1.66
600.0	15.11	19.77	20.17	18.00	1.13	0.65	38.74	19.82	1.67
650.0	15.07	19.75	19.99	18.01	1.13	0.65	38.14	19.84	1.62
700.0	15.02	19.75	19.76	17.97	1.13	0.65	37.52	19.91	1.60
750.0	14.97	19.74	19.49	17.83	1.13	0.66	37.51	19.86	1.61
800.0	14.92	19.72	19.18	17.75	1.14	0.66	36.91	19.90	1.63
850.0	14.86	19.71	18.73	17.57	1.14	0.66	37.20	19.88	1.68
900.0	14.80	19.68	18.30	17.45	1.14	0.67	37.11	19.92	1.60
950.0	14.74	19.67	17.90	17.33	1.14	0.67	35.84	19.88	1.65
1000.0	14.68	19.65	17.53	17.30	1.14	0.67	35.59	19.87	1.61
1200.0	14.42	19.55	16.57	16.97	1.15	0.69	35.59	19.99	1.73
1400.0	14.14	19.46	15.49	16.58	1.16	0.70	34.77	19.96	1.75
1600.0	13.84	19.37	14.59	16.34	1.16	0.72	34.38	20.00	1.76
1800.0	13.55	19.23	13.95	16.02	1.17	0.74	34.06	19.87	1.78
2000.0	13.26	19.08	13.21	15.91	1.17	0.75	33.83	19.91	1.78
2200.0	12.94	18.98	12.85	15.70	1.18	0.77	34.05	20.04	1.80
2400.0	12.66	18.80	12.34	15.53	1.18	0.78	33.09	20.07	1.80
2600.0	12.35	18.70	12.19	15.52	1.19	0.80	32.98	20.06	1.98
2800.0	12.11	18.51	11.77	15.53	1.18	0.81	32.97	20.13	1.97
3000.0	11.86	18.31	11.51	15.35	1.18	0.82	32.74	20.06	1.90
3500.0	11.30	17.95	11.12	15.21	1.18	0.84	32.07	20.10	2.07
4000.0	10.84	17.45	10.49	14.83	1.15	0.86	32.17	20.14	2.05
4500.0	10.44	17.09	10.01	14.55	1.14	0.87	31.90	20.08	2.28
5000.0	10.15	16.64	9.61	14.07	1.11	0.87	31.82	20.09	2.42
5500.0	10.04	16.17	9.30	13.04	1.05	0.86	30.96	19.62	2.50
6000.0	9.92	15.55	8.98	12.28	1.00	0.83	30.87	19.64	2.59

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 = 4.50V, Id = 113.55mA @ Temperature = -40degC

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)
50.0	17.50	20.86	11.43	13.19	0.93	0.64	39.57	21.24	1.36
100.0	16.27	20.35	16.01	16.00	1.05	0.64	39.49	21.13	1.46
150.0	15.92	20.22	18.45	17.08	1.09	0.63	38.63	21.28	1.52
200.0	15.78	20.12	19.84	17.60	1.10	0.63	39.69	21.27	1.50
250.0	15.70	20.08	20.64	17.79	1.11	0.63	38.62	21.20	1.54
300.0	15.63	20.04	21.00	17.84	1.11	0.63	40.18	21.40	1.54
350.0	15.59	20.01	21.02	17.83	1.11	0.63	37.84	21.36	1.56
400.0	15.54	20.06	20.88	17.78	1.12	0.63	39.62	21.31	1.57
450.0	15.49	20.04	20.70	17.65	1.12	0.64	39.30	21.36	1.56
500.0	15.45	19.99	20.48	17.71	1.12	0.63	38.75	21.49	1.58
550.0	15.42	19.97	20.28	17.72	1.12	0.64	38.25	21.31	1.61
600.0	15.37	19.99	20.10	17.71	1.13	0.64	39.03	21.39	1.68
650.0	15.33	19.97	19.93	17.76	1.13	0.64	38.18	21.45	1.63
700.0	15.28	19.93	19.73	17.73	1.13	0.64	39.57	21.53	1.58
750.0	15.23	19.93	19.45	17.67	1.13	0.65	39.29	21.44	1.65
800.0	15.18	19.91	19.18	17.60	1.13	0.65	38.74	21.51	1.62
850.0	15.12	19.90	18.71	17.43	1.14	0.65	39.23	21.46	1.64
900.0	15.06	19.88	18.30	17.29	1.14	0.66	37.60	21.51	1.62
950.0	15.00	19.89	17.94	17.23	1.14	0.66	39.89	21.50	1.66
1000.0	14.94	19.82	17.56	17.24	1.14	0.66	38.23	21.48	1.66
1200.0	14.68	19.76	16.64	17.04	1.15	0.68	39.01	21.59	1.74
1400.0	14.40	19.66	15.61	16.76	1.16	0.69	37.23	21.55	1.76
1600.0	14.11	19.54	14.73	16.62	1.16	0.71	37.59	21.60	1.80
1800.0	13.82	19.44	14.12	16.46	1.17	0.73	36.59	21.40	1.79
2000.0	13.53	19.29	13.38	16.48	1.17	0.75	36.85	21.44	1.80
2200.0	13.22	19.18	13.03	16.38	1.18	0.76	38.17	21.61	1.84
2400.0	12.94	19.01	12.53	16.31	1.18	0.78	37.58	21.60	1.83
2600.0	12.63	18.92	12.40	16.37	1.20	0.79	37.09	21.59	2.03
2800.0	12.40	18.73	11.94	16.51	1.19	0.81	36.90	21.69	2.02
3000.0	12.15	18.57	11.71	16.37	1.19	0.82	36.69	21.55	1.94
3500.0	11.59	18.12	11.32	16.32	1.18	0.84	35.77	21.64	2.13
4000.0	11.13	17.65	10.65	15.94	1.16	0.85	36.82	21.71	2.13
4500.0	10.74	17.31	10.16	15.71	1.15	0.87	35.85	21.70	2.40
5000.0	10.46	16.81	9.73	15.19	1.11	0.87	36.71	21.81	2.56
5500.0	10.36	16.30	9.38	13.93	1.05	0.86	34.62	21.07	2.55
6000.0	10.24	15.70	9.02	13.19	1.00	0.83	35.02	21.01	2.67

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 = 4.00V, Id = 95.70mA @ 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)
50.0	17.66	21.77	10.77	13.86	0.98	0.69	38.50	20.04	1.89
100.0	16.77	21.06	15.10	18.81	1.07	0.67	39.31	19.86	1.91
150.0	16.53	20.89	17.12	21.23	1.10	0.66	39.54	20.02	1.99
200.0	16.43	20.87	18.05	22.37	1.11	0.66	40.32	19.99	1.96
250.0	16.36	20.83	18.41	22.94	1.11	0.66	40.62	19.90	1.99
300.0	16.30	20.84	18.52	23.25	1.12	0.67	39.79	20.15	2.05
350.0	16.25	20.77	18.48	23.36	1.11	0.67	39.57	20.11	1.97
400.0	16.19	20.77	18.35	23.56	1.12	0.67	41.77	20.06	2.02
450.0	16.14	20.74	18.22	23.47	1.12	0.67	41.14	20.09	2.03
500.0	16.08	20.70	18.08	23.28	1.12	0.68	40.59	20.22	2.01
550.0	16.03	20.71	17.92	22.93	1.12	0.68	40.17	19.99	2.04
600.0	15.96	20.66	17.80	22.51	1.12	0.68	39.70	20.10	2.18
650.0	15.90	20.62	17.56	22.09	1.12	0.69	39.59	20.17	2.13
700.0	15.83	20.60	17.39	21.72	1.12	0.69	38.75	20.24	2.08
750.0	15.76	20.55	17.07	21.32	1.12	0.69	38.83	20.13	2.13
800.0	15.68	20.55	16.81	21.12	1.12	0.70	39.07	20.22	2.13
850.0	15.60	20.51	16.50	20.91	1.13	0.70	39.45	20.19	2.20
900.0	15.52	20.48	16.21	20.74	1.13	0.71	39.48	20.20	2.11
950.0	15.44	20.42	15.96	20.52	1.13	0.71	38.18	20.24	2.17
1000.0	15.36	20.39	15.71	20.24	1.13	0.72	38.24	20.22	2.09
1200.0	15.00	20.24	14.81	18.78	1.13	0.74	39.07	20.32	2.26
1400.0	14.62	20.05	13.94	17.99	1.13	0.76	38.58	20.27	2.30
1600.0	14.23	19.86	13.22	17.02	1.14	0.77	38.17	20.35	2.32
1800.0	13.84	19.67	12.62	16.24	1.14	0.79	38.31	20.16	2.31
2000.0	13.46	19.50	12.01	15.67	1.14	0.81	37.98	20.17	2.34
2200.0	13.06	19.33	11.62	15.16	1.15	0.83	37.06	20.36	2.39
2400.0	12.71	19.14	11.24	14.63	1.15	0.84	37.45	20.32	2.44
2600.0	12.32	19.01	11.00	14.36	1.16	0.85	36.66	20.29	2.62
2800.0	12.01	18.80	10.75	14.24	1.16	0.87	36.81	20.36	2.69
3000.0	11.70	18.60	10.46	13.83	1.16	0.87	36.48	20.23	2.63
3500.0	10.98	18.18	10.09	13.51	1.16	0.89	36.18	20.24	2.89
4000.0	10.41	17.66	9.63	13.16	1.15	0.91	36.02	20.25	2.95
4500.0	9.96	17.17	9.27	12.84	1.12	0.92	35.88	20.14	3.26
5000.0	9.66	16.76	9.05	12.49	1.10	0.92	35.06	20.12	3.40
5500.0	9.46	16.15	8.59	11.50	1.03	0.91	34.00	19.56	3.51
6000.0	9.24	15.58	8.25	10.84	0.98	0.89	34.17	19.54	3.67

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 = 4.50V, Id = 122.02mA @ 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)
50.0	17.89	21.51	11.01	14.04	0.97	0.65	41.01	21.39	1.98
100.0	17.01	21.20	15.40	18.99	1.07	0.66	41.88	21.21	1.97
150.0	16.78	21.07	17.46	21.46	1.09	0.65	42.18	21.38	2.04
200.0	16.68	21.01	18.44	22.64	1.10	0.65	44.44	21.34	1.97
250.0	16.61	20.96	18.88	23.25	1.11	0.65	40.08	21.22	2.02
300.0	16.55	20.97	19.01	23.65	1.11	0.66	48.44	21.50	2.01
350.0	16.50	20.99	18.94	23.92	1.12	0.66	44.38	21.46	2.01
400.0	16.44	20.95	18.81	24.12	1.12	0.66	54.94	21.41	2.07
450.0	16.39	20.90	18.71	24.16	1.12	0.66	42.17	21.45	2.04
500.0	16.33	20.88	18.53	24.05	1.12	0.67	45.91	21.57	2.05
550.0	16.29	20.88	18.36	23.70	1.12	0.67	42.24	21.30	2.16
600.0	16.21	20.88	18.23	23.29	1.12	0.68	50.18	21.43	2.19
650.0	16.15	20.80	18.01	22.93	1.12	0.68	45.12	21.52	2.14
700.0	16.08	20.82	17.82	22.61	1.12	0.68	46.79	21.57	2.12
750.0	16.01	20.76	17.49	22.28	1.12	0.69	48.43	21.45	2.15
800.0	15.94	20.76	17.24	22.12	1.13	0.69	43.09	21.57	2.15
850.0	15.86	20.72	16.90	21.96	1.13	0.70	52.07	21.53	2.19
900.0	15.78	20.70	16.60	21.84	1.13	0.70	47.62	21.54	2.13
950.0	15.70	20.65	16.35	21.64	1.13	0.71	43.01	21.59	2.19
1000.0	15.62	20.60	16.10	21.40	1.13	0.71	46.93	21.57	2.16
1200.0	15.27	20.44	15.17	19.93	1.13	0.73	43.83	21.67	2.26
1400.0	14.90	20.31	14.27	19.19	1.14	0.75	44.34	21.62	2.31
1600.0	14.51	20.13	13.53	18.17	1.14	0.77	45.66	21.69	2.38
1800.0	14.13	19.99	12.90	17.41	1.15	0.79	43.36	21.47	2.40
2000.0	13.75	19.78	12.30	16.81	1.15	0.81	41.76	21.49	2.41
2200.0	13.37	19.63	11.86	16.26	1.16	0.83	41.06	21.73	2.47
2400.0	13.01	19.41	11.47	15.70	1.16	0.84	42.88	21.67	2.47
2600.0	12.63	19.32	11.25	15.40	1.17	0.86	42.00	21.64	2.71
2800.0	12.33	19.12	10.97	15.23	1.17	0.87	40.87	21.71	2.73
3000.0	12.02	18.90	10.65	14.79	1.17	0.88	40.96	21.55	2.69
3500.0	11.31	18.47	10.25	14.38	1.17	0.90	40.38	21.57	2.93
4000.0	10.74	17.95	9.72	13.90	1.15	0.91	39.99	21.60	3.03
4500.0	10.29	17.44	9.34	13.52	1.13	0.92	39.26	21.58	3.36
5000.0	10.00	17.04	9.07	13.16	1.10	0.93	39.36	21.55	3.50
5500.0	9.80	16.44	8.53	12.01	1.02	0.92	37.91	20.83	3.58
6000.0	9.61	15.80	8.17	11.30	0.97	0.90	37.93	20.79	3.82