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 = 116mA @ 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)
50	16.38	20.84	15.40	12.53	1.09	0.58	37.75	23.85	3.33
100	16.51	20.58	20.34	14.81	1.09	0.57	37.21	24.14	3.32
200	16.56	20.41	23.55	16.09	1.09	0.55	40.13	24.74	3.17
400	16.59	20.38	26.88	17.70	1.09	0.56	35.93	25.06	2.96
600	16.56	20.42	31.30	19.26	1.09	0.57	36.24	24.86	2.84
800	16.49	20.49	36.88	21.16	1.10	0.59	36.53	24.72	2.89
1000	16.46	20.50	34.07	23.90	1.11	0.60	36.90	24.26	2.78
1200	16.39	20.55	29.11	26.65	1.11	0.62	35.75	24.03	2.78
1400	16.30	20.60	26.25	29.45	1.12	0.63	35.95	24.32	2.81
1600	16.22	20.67	24.73	30.68	1.13	0.65	35.65	24.23	2.93
1800	16.12	20.76	24.15	29.50	1.14	0.66	35.28	24.29	2.93
2000	16.00	20.85	23.86	27.69	1.15	0.68	37.45	24.31	2.88
2200	15.92	20.92	24.41	26.49	1.16	0.69	35.08	24.24	2.89
2400	15.87	20.93	25.41	25.60	1.17	0.69	34.41	24.28	2.96
2600	15.81	20.97	26.22	24.74	1.17	0.70	36.09	24.70	2.98
2800	15.74	21.05	26.64	24.47	1.19	0.71	34.56	23.95	3.14
3000	15.69	21.09	26.42	25.65	1.19	0.71	34.60	23.59	3.20
3200	15.64	21.14	25.39	29.04	1.20	0.72	35.69	24.09	3.17
3400	15.60	21.24	22.93	42.09	1.21	0.73	35.45	22.85	3.23
3600	15.54	21.32	19.95	30.78	1.22	0.74	35.10	23.20	3.31
3800	15.48	21.43	17.15	22.88	1.23	0.75	34.72	23.32	3.31
4000	15.40	21.58	14.91	18.62	1.24	0.76	34.24	22.56	3.46
4200	15.32	21.71	13.12	15.82	1.24	0.76	34.88	22.83	3.52
4400	15.23	21.90	11.82	13.94	1.25	0.76	34.28	22.89	3.44
4600	15.16	22.01	10.97	12.72	1.24	0.76	34.94	22.66	3.52
4800	15.10	22.17	10.46	12.04	1.24	0.77	35.27	22.41	3.65
5000	15.09	22.25	10.33	11.84	1.24	0.78	35.08	22.59	3.59
5200	15.13	22.32	10.58	12.06	1.24	0.79	34.77	22.22	3.60
5400	15.20	22.37	11.15	12.62	1.23	0.81	34.80	22.78	3.73
5600	15.31	22.34	11.98	13.46	1.23	0.82	34.62	22.52	3.71
5800	15.45	22.32	12.95	14.29	1.22	0.82	34.73	22.49	3.79
6000	15.58	22.31	13.92	14.99	1.21	0.82	36.00	22.27	3.85
6200	15.72	22.27	14.70	15.58	1.20	0.81	36.22	21.71	3.99
6400	15.88	22.22	15.26	16.59	1.20	0.80	35.71	21.17	4.11
6600	16.02	22.19	15.08	19.07	1.20	0.80	35.85	20.46	4.23
6800	16.06	22.23	13.58	25.13	1.21	0.81	34.46	19.83	4.40
7000	15.92	22.49	11.02	24.69	1.23	0.84	33.45	18.67	4.61
7200	15.53	22.94	8.34	15.68	1.25	0.88	31.67	18.06	4.88
7400	14.85	23.73	6.19	11.03	1.29	0.91	30.04	16.93	5.04
7600	13.95	24.73	4.69	8.24	1.34	0.92	29.57	16.86	5.23
7800	12.99	25.76	3.70	6.49	1.39	0.91	28.60	15.95	5.39
8000	12.03	26.83	3.07	5.37	1.46	0.89	28.57	15.71	5.50
8200	11.20	27.67	2.70	4.53	1.51	0.84	27.93	15.37	5.58

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 = 8.5V, Id = 106mA @ 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)
50	16.35	20.85	15.47	12.53	1.10	0.58	35.63	23.26	3.29
100	16.48	20.54	20.54	14.90	1.09	0.57	36.10	23.59	3.26
200	16.54	20.41	23.93	16.21	1.09	0.56	35.64	24.19	3.12
400	16.56	20.38	27.55	17.84	1.09	0.56	37.61	24.49	2.92
600	16.53	20.43	32.39	19.40	1.10	0.58	37.08	24.30	2.86
800	16.46	20.47	37.55	21.33	1.10	0.60	36.70	24.15	2.79
1000	16.43	20.47	33.57	24.14	1.11	0.60	36.14	23.68	2.72
1200	16.36	20.54	28.74	27.11	1.11	0.62	35.68	23.44	2.75
1400	16.26	20.61	25.89	30.35	1.12	0.64	35.93	23.74	2.78
1600	16.18	20.68	24.53	32.19	1.13	0.65	35.57	23.64	2.88
1800	16.08	20.74	23.98	31.10	1.14	0.66	35.14	23.84	2.86
2000	15.95	20.84	23.81	28.97	1.16	0.68	35.36	23.73	2.85
2200	15.87	20.89	24.40	27.60	1.16	0.69	36.53	23.79	2.85
2400	15.82	20.94	25.41	26.42	1.17	0.70	34.53	23.70	2.86
2600	15.76	20.99	26.34	25.32	1.18	0.70	34.94	24.25	2.96
2800	15.69	21.06	26.85	24.78	1.19	0.71	32.94	23.37	3.08
3000	15.63	21.13	26.56	25.73	1.20	0.72	35.83	23.01	3.16
3200	15.57	21.18	25.56	28.41	1.21	0.73	34.65	23.63	3.24
3400	15.52	21.29	23.11	34.75	1.22	0.74	34.68	22.39	3.23
3600	15.46	21.37	20.08	29.94	1.23	0.75	34.08	22.73	3.28
3800	15.40	21.50	17.31	23.02	1.24	0.76	34.24	22.86	3.29
4000	15.32	21.61	15.05	18.90	1.25	0.76	34.58	22.09	3.37
4200	15.23	21.78	13.25	16.16	1.26	0.77	33.78	22.36	3.47
4400	15.15	21.94	11.94	14.33	1.26	0.77	33.98	22.42	3.46
4600	15.07	22.09	11.10	13.12	1.26	0.78	33.96	22.20	3.52
4800	15.02	22.20	10.60	12.49	1.26	0.78	35.16	22.06	3.57
5000	15.01	22.31	10.47	12.36	1.26	0.79	34.82	22.25	3.49
5200	15.04	22.40	10.73	12.69	1.26	0.81	33.45	21.89	3.52
5400	15.12	22.41	11.29	13.40	1.26	0.82	34.71	22.44	3.67
5600	15.22	22.42	12.17	14.49	1.26	0.83	35.35	22.19	3.70
5800	15.33	22.42	13.17	15.53	1.25	0.84	35.15	22.14	3.74
6000	15.45	22.42	14.18	16.36	1.25	0.83	35.35	21.91	3.83
6200	15.57	22.38	15.07	16.90	1.24	0.82	35.66	21.44	3.94
6400	15.69	22.37	15.75	17.81	1.24	0.81	35.38	20.77	4.08
6600	15.81	22.35	15.80	20.23	1.24	0.81	33.50	20.15	4.18
6800	15.83	22.43	14.44	27.28	1.25	0.82	33.19	19.50	4.36
7000	15.69	22.66	11.83	27.50	1.27	0.85	31.72	18.33	4.56
7200	15.33	23.11	9.02	16.62	1.30	0.89	30.25	17.62	4.72
7400	14.70	23.82	6.72	11.70	1.34	0.93	28.63	16.51	4.97
7600	13.86	24.78	5.08	8.77	1.39	0.94	28.17	16.49	5.08
7800	12.95	25.75	4.00	6.92	1.44	0.93	27.43	15.63	5.27
8000	12.04	26.69	3.29	5.72	1.49	0.91	27.62	15.54	5.45
8200	11.25	27.51	2.87	4.83	1.54	0.87	26.94	15.10	5.47

Typical Performance Data

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

TEST CONDITIONS: Vd = 9.5V, Id = 125mA @ 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)
50	16.39	20.90	15.34	12.60	1.10	0.58	36.69	24.23	3.42
100	16.52	20.56	20.24	14.80	1.09	0.56	36.65	24.50	3.39
200	16.58	20.41	23.33	16.04	1.09	0.55	38.06	25.08	3.22
400	16.61	20.38	26.51	17.62	1.09	0.56	36.67	25.41	3.00
600	16.58	20.43	30.64	19.14	1.09	0.57	36.23	25.21	2.94
800	16.51	20.49	36.25	21.04	1.10	0.59	36.94	25.08	2.83
1000	16.48	20.48	34.39	23.76	1.10	0.60	36.14	24.62	2.76
1200	16.41	20.55	29.40	26.41	1.11	0.61	37.18	24.53	2.80
1400	16.32	20.62	26.33	28.86	1.12	0.63	37.35	24.69	2.79
1600	16.24	20.68	24.84	29.76	1.13	0.64	35.79	24.60	2.90
1800	16.14	20.74	24.17	28.65	1.14	0.66	36.47	24.78	2.93
2000	16.02	20.86	23.84	26.81	1.15	0.68	35.57	24.67	2.93
2200	15.94	20.91	24.44	25.72	1.16	0.69	35.66	24.73	2.94
2400	15.89	20.93	25.30	24.94	1.16	0.69	35.62	24.65	3.08
2600	15.84	20.96	26.09	24.31	1.17	0.69	35.69	25.06	3.02
2800	15.78	21.03	26.44	24.10	1.18	0.70	36.02	24.31	3.12
3000	15.73	21.06	26.19	25.38	1.19	0.71	35.10	23.96	3.20
3200	15.68	21.13	25.18	28.74	1.20	0.72	34.78	24.45	3.27
3400	15.64	21.21	22.75	39.25	1.21	0.73	35.45	23.21	3.25
3600	15.59	21.28	19.78	29.99	1.21	0.74	35.91	23.57	3.39
3800	15.53	21.40	17.02	22.45	1.22	0.74	35.43	23.58	3.37
4000	15.46	21.48	14.77	18.27	1.22	0.75	34.07	22.91	3.48
4200	15.37	21.64	12.98	15.54	1.23	0.75	34.44	23.18	3.54
4400	15.29	21.84	11.68	13.64	1.23	0.76	34.55	23.14	3.52
4600	15.21	21.98	10.83	12.42	1.23	0.76	33.49	22.89	3.56
4800	15.15	22.11	10.35	11.72	1.23	0.76	34.71	22.74	3.66
5000	15.14	22.24	10.22	11.48	1.23	0.77	35.11	22.81	3.56
5200	15.18	22.28	10.46	11.64	1.22	0.79	34.16	22.43	3.72
5400	15.26	22.32	11.00	12.10	1.21	0.80	35.43	22.99	3.76
5600	15.38	22.30	11.81	12.84	1.20	0.81	34.34	22.73	3.80
5800	15.52	22.29	12.76	13.53	1.20	0.81	34.36	22.72	3.87
6000	15.67	22.18	13.70	14.16	1.18	0.81	36.27	22.51	3.93
6200	15.83	22.21	14.43	14.77	1.18	0.80	36.39	21.96	4.10
6400	16.00	22.11	14.87	15.79	1.17	0.79	36.59	21.44	4.19
6600	16.16	22.08	14.54	18.10	1.17	0.79	34.63	20.74	4.31
6800	16.21	22.13	12.95	22.59	1.18	0.80	34.01	20.13	4.50
7000	16.06	22.38	10.41	21.50	1.19	0.83	33.79	19.08	4.69
7200	15.63	22.89	7.84	14.64	1.22	0.87	32.22	18.46	4.87
7400	14.91	23.71	5.80	10.41	1.26	0.90	30.75	17.32	5.11
7600	13.96	24.80	4.39	7.81	1.31	0.91	30.35	17.21	5.26
7800	12.96	25.85	3.48	6.16	1.36	0.90	29.35	16.40	5.44
8000	11.97	26.94	2.91	5.10	1.43	0.87	29.63	16.14	5.61
8200	11.11	27.86	2.58	4.32	1.49	0.83	28.72	15.78	5.62

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 = 9.00V, Id = 107mA @ 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)
50	16.46	20.92	15.21	12.46	1.09	0.58	36.50	23.70	2.53
100	16.61	20.60	20.27	14.84	1.09	0.56	37.79	23.95	2.56
200	16.67	20.44	23.77	16.29	1.08	0.55	36.58	24.67	2.49
400	16.70	20.40	26.61	17.62	1.08	0.55	36.38	24.84	2.25
600	16.68	20.45	30.40	19.07	1.09	0.56	35.97	24.63	2.24
800	16.62	20.51	34.23	20.64	1.10	0.58	36.56	24.49	2.27
1000	16.60	20.53	34.62	23.06	1.10	0.59	37.45	23.89	2.22
1200	16.55	20.56	29.90	25.51	1.10	0.60	36.56	23.67	2.22
1400	16.46	20.64	26.91	28.32	1.11	0.62	35.87	23.97	2.33
1600	16.40	20.66	25.09	30.73	1.12	0.63	35.62	23.90	2.36
1800	16.30	20.73	24.38	30.22	1.13	0.64	35.32	24.11	2.33
2000	16.18	20.85	23.96	28.06	1.14	0.66	36.12	24.15	2.32
2200	16.09	20.89	24.27	26.72	1.15	0.67	35.35	24.21	2.33
2400	16.06	20.95	25.37	25.44	1.16	0.68	34.75	24.29	2.47
2600	16.01	21.00	25.95	24.07	1.16	0.68	36.02	24.90	2.44
2800	15.95	21.07	26.06	23.20	1.17	0.69	36.50	23.99	2.48
3000	15.90	21.13	25.83	23.48	1.18	0.70	34.18	23.65	2.43
3200	15.86	21.15	25.74	25.05	1.19	0.70	34.92	24.44	2.47
3400	15.81	21.25	24.47	28.96	1.20	0.72	34.76	22.86	2.60
3600	15.77	21.34	21.57	33.73	1.21	0.73	34.95	23.38	2.62
3800	15.72	21.41	18.65	26.65	1.21	0.74	35.55	23.39	2.68
4000	15.66	21.53	16.11	21.34	1.22	0.74	34.21	22.81	2.72
4200	15.59	21.64	14.17	17.95	1.22	0.75	34.51	23.18	2.76
4400	15.53	21.77	12.77	15.83	1.22	0.75	34.84	23.53	2.80
4600	15.50	21.89	11.80	14.52	1.22	0.76	35.19	23.50	2.79
4800	15.46	22.03	11.21	13.84	1.22	0.77	35.59	23.27	2.80
5000	15.46	22.14	11.07	13.72	1.22	0.78	36.35	23.64	2.81
5200	15.52	22.18	11.27	14.04	1.22	0.79	35.39	23.36	2.81
5400	15.60	22.18	11.79	14.88	1.21	0.80	35.93	24.02	2.88
5600	15.69	22.19	12.58	16.04	1.21	0.81	36.65	23.80	2.91
5800	15.80	22.21	13.44	16.80	1.20	0.81	35.44	23.82	2.97
6000	15.94	22.15	14.23	17.21	1.18	0.80	36.18	23.75	3.05
6200	16.07	22.13	14.75	17.00	1.18	0.79	37.16	23.22	3.15
6400	16.21	22.10	15.04	16.67	1.17	0.77	35.95	22.63	3.26
6600	16.36	22.08	15.05	17.25	1.16	0.76	42.92	22.13	3.43
6800	16.50	22.03	14.57	19.58	1.15	0.76	40.71	21.63	3.53
7000	16.56	22.02	12.96	26.17	1.15	0.77	35.27	20.57	3.69
7200	16.43	22.24	10.39	22.92	1.16	0.80	32.39	20.23	3.87
7400	16.04	22.78	7.74	15.05	1.18	0.85	29.82	18.99	4.01
7600	15.35	23.53	5.64	10.90	1.20	0.90	29.58	18.96	4.19
7800	14.51	24.44	4.23	8.38	1.23	0.93	27.76	17.79	4.32
8000	13.70	25.40	3.27	6.38	1.24	0.89	28.34	17.77	4.48
8200	12.77	26.42	2.70	5.50	1.29	0.90	27.27	17.04	4.57

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 = 8.5V, Id = 97mA @ 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)
50	16.39	20.76	15.37	12.61	1.09	0.57	36.50	22.86	2.49
100	16.53	20.53	20.63	15.17	1.09	0.56	36.49	23.20	2.52
200	16.60	20.38	24.59	16.70	1.08	0.55	36.69	23.91	2.46
400	16.63	20.33	28.00	18.11	1.08	0.55	36.47	24.06	2.25
600	16.61	20.38	32.69	19.60	1.09	0.57	35.97	23.72	2.21
800	16.54	20.45	35.80	21.28	1.10	0.59	36.69	23.57	2.26
1000	16.53	20.46	33.52	23.92	1.10	0.59	36.87	22.96	2.19
1200	16.47	20.50	28.87	26.63	1.11	0.61	36.08	22.87	2.23
1400	16.38	20.56	26.11	30.02	1.11	0.62	35.72	23.04	2.27
1600	16.32	20.62	24.46	32.97	1.12	0.63	35.62	22.97	2.35
1800	16.22	20.70	23.81	32.33	1.13	0.65	35.32	23.18	2.33
2000	16.10	20.82	23.49	29.62	1.14	0.67	34.70	23.23	2.31
2200	16.01	20.85	23.84	28.12	1.15	0.68	35.45	23.28	2.31
2400	15.98	20.93	25.05	26.59	1.16	0.68	34.75	23.37	2.38
2600	15.93	20.95	25.78	25.00	1.17	0.69	36.46	23.98	2.38
2800	15.87	21.00	26.05	23.91	1.17	0.69	35.37	23.21	2.44
3000	15.82	21.07	25.86	24.18	1.18	0.70	34.18	22.87	2.41
3200	15.78	21.13	25.54	25.64	1.19	0.71	34.92	23.66	2.49
3400	15.73	21.23	24.05	29.23	1.20	0.72	34.76	22.08	2.54
3600	15.68	21.27	21.21	31.30	1.21	0.73	34.95	22.61	2.59
3800	15.62	21.38	18.37	25.40	1.22	0.74	35.19	22.76	2.62
4000	15.57	21.50	15.89	20.80	1.22	0.75	34.73	22.03	2.72
4200	15.49	21.60	14.02	17.68	1.23	0.75	34.46	22.52	2.75
4400	15.43	21.77	12.65	15.67	1.23	0.76	34.51	22.75	2.75
4600	15.40	21.89	11.71	14.43	1.23	0.76	35.04	22.72	2.75
4800	15.36	22.02	11.13	13.81	1.23	0.77	34.99	22.62	2.76
5000	15.36	22.11	10.99	13.75	1.23	0.78	35.21	22.89	2.76
5200	15.42	22.14	11.21	14.13	1.23	0.79	35.11	22.71	2.85
5400	15.50	22.17	11.73	15.08	1.22	0.80	35.19	23.38	2.88
5600	15.59	22.17	12.49	16.41	1.22	0.82	36.50	23.27	2.90
5800	15.70	22.16	13.37	17.38	1.21	0.82	35.44	23.21	2.94
6000	15.83	22.13	14.17	17.94	1.20	0.81	36.18	23.13	3.02
6200	15.96	22.11	14.74	17.67	1.19	0.80	36.58	22.70	3.10
6400	16.08	22.10	15.05	17.23	1.18	0.78	38.91	22.11	3.23
6600	16.22	22.07	15.10	17.69	1.17	0.77	39.33	21.60	3.38
6800	16.34	22.04	14.65	19.79	1.17	0.76	39.34	21.08	3.49
7000	16.39	22.10	13.09	24.77	1.17	0.78	35.27	20.11	3.66
7200	16.26	22.31	10.55	21.64	1.18	0.81	32.39	19.64	3.80
7400	15.86	22.79	7.91	14.91	1.20	0.86	29.82	18.38	3.98
7600	15.19	23.52	5.80	10.94	1.22	0.90	29.40	18.35	4.13
7800	14.37	24.44	4.35	8.46	1.25	0.93	27.76	17.19	4.26
8000	13.58	25.34	3.37	6.47	1.26	0.90	28.34	17.06	4.41
8200	12.67	26.34	2.77	5.58	1.31	0.90	27.27	16.47	4.51

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 = 9.5V, Id = 116mA @ 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)
50	16.51	20.94	15.09	12.38	1.09	0.57	36.58	24.30	2.64
100	16.65	20.65	20.04	14.67	1.09	0.56	38.13	24.62	2.61
200	16.72	20.47	23.27	16.09	1.08	0.55	39.05	25.26	2.52
400	16.75	20.45	25.88	17.39	1.08	0.55	38.55	25.56	2.28
600	16.73	20.50	29.32	18.77	1.09	0.56	37.94	25.23	2.25
800	16.67	20.55	32.94	20.28	1.10	0.58	37.80	25.09	2.33
1000	16.66	20.55	34.63	22.59	1.10	0.59	38.45	24.63	2.25
1200	16.60	20.58	30.47	24.88	1.10	0.60	37.28	24.42	2.29
1400	16.51	20.66	27.38	27.47	1.11	0.62	36.35	24.72	2.37
1600	16.45	20.69	25.47	29.55	1.12	0.63	38.02	24.64	2.42
1800	16.36	20.76	24.67	29.05	1.13	0.64	37.48	24.84	2.40
2000	16.24	20.89	24.15	27.12	1.14	0.66	36.56	24.75	2.34
2200	16.15	20.93	24.45	25.91	1.15	0.67	35.72	24.81	2.35
2400	16.11	20.95	25.52	24.70	1.15	0.67	35.35	24.89	2.50
2600	16.06	20.97	25.95	23.50	1.16	0.68	37.44	25.49	2.46
2800	16.01	21.06	25.97	22.69	1.17	0.69	36.75	24.72	2.52
3000	15.96	21.12	25.72	23.01	1.17	0.69	34.86	24.39	2.49
3200	15.92	21.19	25.79	24.60	1.18	0.70	36.59	25.17	2.56
3400	15.88	21.24	24.67	28.74	1.19	0.71	36.34	23.46	2.61
3600	15.83	21.30	21.81	36.26	1.20	0.72	36.12	23.97	2.68
3800	15.79	21.40	18.81	27.58	1.21	0.73	36.04	23.99	2.72
4000	15.74	21.53	16.22	21.66	1.21	0.74	37.41	23.41	2.78
4200	15.66	21.69	14.24	18.07	1.22	0.75	36.87	23.78	2.81
4400	15.61	21.79	12.83	15.88	1.22	0.75	35.80	24.14	2.83
4600	15.58	21.92	11.84	14.53	1.22	0.76	35.89	23.97	2.83
4800	15.54	22.03	11.25	13.81	1.22	0.76	36.93	23.85	2.85
5000	15.54	22.14	11.10	13.66	1.22	0.78	36.25	24.12	2.83
5200	15.60	22.16	11.30	13.92	1.21	0.78	36.70	23.83	2.91
5400	15.68	22.17	11.81	14.67	1.20	0.80	37.63	24.50	2.99
5600	15.77	22.19	12.59	15.72	1.20	0.81	36.44	24.37	2.97
5800	15.88	22.17	13.45	16.32	1.18	0.81	38.39	24.29	3.06
6000	16.02	22.15	14.22	16.69	1.17	0.80	36.81	24.21	3.11
6200	16.17	22.09	14.71	16.50	1.16	0.78	37.22	23.77	3.23
6400	16.31	22.07	14.95	16.25	1.15	0.77	36.99	23.08	3.30
6600	16.48	21.99	14.93	16.92	1.14	0.75	38.43	22.60	3.46
6800	16.63	21.95	14.40	19.32	1.14	0.75	39.39	22.11	3.58
7000	16.70	21.98	12.76	26.99	1.13	0.76	35.99	21.06	3.80
7200	16.59	22.19	10.20	23.95	1.14	0.80	34.91	20.75	3.92
7400	16.19	22.67	7.58	15.16	1.15	0.84	31.85	19.53	4.12
7600	15.49	23.48	5.50	10.85	1.18	0.90	31.41	19.49	4.24
7800	14.64	24.44	4.11	8.29	1.21	0.92	29.72	18.44	4.38
8000	13.81	25.38	3.18	6.29	1.22	0.89	30.33	18.40	4.56
8200	12.87	26.46	2.62	5.42	1.27	0.89	29.39	17.65	4.66

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 = 9.00V, Id = 111mA @ 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)
50	16.06	20.59	15.83	13.27	1.10	0.60	34.95	22.04	3.74
100	16.19	20.35	21.19	15.70	1.10	0.59	34.60	22.50	3.78
200	16.26	20.23	25.18	17.02	1.10	0.57	35.32	23.41	3.53
400	16.29	20.23	30.17	18.89	1.10	0.58	35.29	23.97	3.13
600	16.25	20.29	39.59	20.81	1.10	0.60	35.15	23.79	3.09
800	16.17	20.37	36.77	23.47	1.11	0.62	36.38	23.78	3.13
1000	16.13	20.39	29.66	27.37	1.12	0.63	33.87	23.29	3.12
1200	16.05	20.43	26.16	31.62	1.13	0.64	35.13	23.06	3.19
1400	15.95	20.51	24.06	33.91	1.14	0.65	34.98	23.35	3.27
1600	15.86	20.58	23.06	32.59	1.15	0.67	34.14	23.26	3.37
1800	15.74	20.65	22.81	30.16	1.16	0.68	34.40	23.31	3.30
2000	15.63	20.78	22.96	28.09	1.17	0.70	34.34	23.21	3.26
2200	15.54	20.81	23.74	26.94	1.18	0.71	34.23	23.25	3.39
2400	15.48	20.85	24.92	26.27	1.19	0.71	33.83	23.15	3.39
2600	15.42	20.90	25.96	26.02	1.20	0.72	34.96	23.68	3.45
2800	15.35	20.96	26.63	26.48	1.21	0.73	34.28	22.80	3.53
3000	15.29	21.04	25.95	29.45	1.22	0.74	32.96	22.43	3.57
3200	15.24	21.10	23.89	37.39	1.23	0.75	33.89	23.05	3.58
3400	15.16	21.18	20.96	32.08	1.24	0.76	32.74	21.80	3.71
3600	15.08	21.28	18.00	23.63	1.25	0.76	33.31	22.15	3.77
3800	14.99	21.47	15.50	18.95	1.27	0.77	33.43	22.10	3.88
4000	14.87	21.60	13.49	15.85	1.27	0.77	32.22	21.26	3.94
4200	14.74	21.77	11.97	13.66	1.28	0.77	32.66	21.49	4.02
4400	14.64	21.95	10.87	12.18	1.28	0.77	32.23	21.42	4.01
4600	14.56	22.10	10.15	11.23	1.28	0.77	32.30	21.08	4.04
4800	14.49	22.28	9.78	10.72	1.29	0.78	32.72	21.04	4.05
5000	14.47	22.39	9.77	10.60	1.29	0.79	32.30	21.06	4.05
5200	14.53	22.43	10.14	10.86	1.28	0.81	31.66	20.70	4.14
5400	14.60	22.46	10.81	11.42	1.28	0.82	32.67	21.39	4.19
5600	14.69	22.47	11.75	12.25	1.28	0.84	32.19	21.01	4.26
5800	14.79	22.47	12.78	12.98	1.28	0.85	32.31	20.96	4.30
6000	14.92	22.49	13.82	13.91	1.28	0.85	32.27	20.72	4.43
6200	15.02	22.49	14.70	14.91	1.29	0.85	31.69	20.10	4.58
6400	15.08	22.50	15.09	16.40	1.30	0.85	31.55	19.49	4.69
6600	15.10	22.61	14.24	19.41	1.33	0.86	30.40	18.78	4.93
6800	15.04	22.77	12.09	22.20	1.35	0.88	29.81	18.21	5.09
7000	14.81	23.12	9.53	16.79	1.37	0.90	29.30	17.43	5.32
7200	14.39	23.65	7.32	11.49	1.39	0.90	28.63	17.01	5.50
7400	13.70	24.41	5.63	8.11	1.40	0.87	27.72	16.14	5.70
7600	12.71	25.50	4.38	6.19	1.46	0.85	27.58	15.97	5.87
7800	11.80	26.42	3.62	4.65	1.48	0.77	27.00	15.04	5.99
8000	10.86	27.46	3.13	3.62	1.51	0.68	27.28	15.14	6.13
8200	9.74	28.65	2.85	3.42	1.70	0.71	26.15	14.25	6.24

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 = 8.5V, Id = 102mA @ 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)
50	16.05	20.56	15.93	13.26	1.10	0.60	35.84	21.69	3.62
100	16.18	20.34	21.34	15.70	1.10	0.59	35.02	22.15	3.64
200	16.24	20.22	25.61	17.08	1.09	0.57	35.87	22.95	3.43
400	16.27	20.21	31.06	19.01	1.10	0.58	35.19	23.45	3.10
600	16.23	20.27	42.94	20.96	1.10	0.60	34.83	23.38	3.07
800	16.15	20.33	35.31	23.70	1.11	0.62	34.67	23.25	3.08
1000	16.10	20.35	28.99	27.65	1.12	0.63	34.68	22.75	3.07
1200	16.02	20.42	25.74	32.57	1.13	0.64	34.59	22.51	3.13
1400	15.92	20.50	23.81	35.95	1.14	0.66	34.02	22.81	3.21
1600	15.83	20.56	22.86	34.56	1.15	0.67	33.63	22.72	3.28
1800	15.71	20.65	22.63	31.99	1.16	0.69	34.15	22.90	3.28
2000	15.60	20.76	22.85	29.51	1.17	0.70	34.12	22.80	3.26
2200	15.50	20.78	23.72	28.28	1.18	0.71	33.12	22.71	3.29
2400	15.44	20.84	24.98	27.32	1.19	0.72	33.13	22.74	3.34
2600	15.37	20.91	26.05	27.02	1.20	0.72	34.06	23.16	3.42
2800	15.30	21.00	26.76	27.34	1.22	0.73	32.52	22.39	3.44
3000	15.24	21.04	26.12	30.37	1.23	0.74	32.35	22.01	3.50
3200	15.17	21.10	24.06	40.90	1.24	0.75	32.69	22.52	3.53
3400	15.10	21.23	21.08	32.39	1.25	0.76	32.58	21.25	3.65
3600	15.01	21.34	18.16	23.81	1.27	0.77	32.11	21.71	3.72
3800	14.91	21.49	15.62	19.14	1.28	0.78	32.14	21.67	3.79
4000	14.80	21.65	13.61	16.08	1.29	0.78	30.95	20.83	3.83
4200	14.67	21.82	12.09	13.88	1.29	0.78	32.33	21.06	3.93
4400	14.56	22.02	11.00	12.42	1.30	0.78	31.25	20.99	3.95
4600	14.48	22.17	10.28	11.49	1.30	0.78	30.96	20.78	3.95
4800	14.41	22.34	9.91	11.02	1.31	0.79	32.12	20.63	3.95
5000	14.39	22.46	9.91	10.95	1.31	0.80	31.42	20.77	3.97
5200	14.45	22.50	10.29	11.26	1.31	0.82	30.65	20.42	4.01
5400	14.51	22.49	10.99	11.95	1.30	0.83	31.76	21.00	4.06
5600	14.59	22.49	11.95	12.91	1.30	0.85	31.82	20.72	4.13
5800	14.68	22.55	13.04	13.79	1.31	0.86	31.83	20.67	4.21
6000	14.79	22.53	14.17	14.84	1.31	0.86	31.19	20.41	4.31
6200	14.87	22.56	15.16	15.89	1.33	0.85	30.63	19.78	4.45
6400	14.91	22.62	15.72	17.53	1.35	0.86	29.87	19.14	4.61
6600	14.92	22.73	15.01	21.23	1.37	0.87	28.58	18.42	4.78
6800	14.85	22.90	12.81	26.74	1.40	0.89	27.74	17.83	4.95
7000	14.63	23.23	10.12	18.40	1.42	0.92	26.72	17.04	5.20
7200	14.23	23.71	7.80	12.32	1.43	0.92	26.31	16.64	5.39
7400	13.60	24.44	6.02	8.66	1.45	0.89	25.16	15.80	5.52
7600	12.68	25.40	4.69	6.54	1.50	0.86	25.40	15.69	5.64
7800	11.79	26.32	3.86	5.01	1.53	0.80	24.87	14.66	5.86
8000	10.90	27.26	3.31	3.86	1.55	0.71	25.10	14.65	6.01
8200	9.82	28.46	2.99	3.58	1.72	0.72	24.21	13.80	6.09

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 = 9.5V, Id = 119mA @ 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)
50	16.05	20.58	15.75	13.40	1.10	0.60	34.69	22.35	3.80
100	16.18	20.37	21.08	15.75	1.10	0.59	36.27	22.73	3.80
200	16.25	20.23	24.97	17.03	1.10	0.58	35.38	23.66	3.58
400	16.29	20.25	29.71	18.89	1.10	0.58	34.65	24.32	3.19
600	16.25	20.29	38.36	20.82	1.10	0.60	35.80	24.14	3.16
800	16.17	20.36	37.59	23.51	1.11	0.62	35.91	24.14	3.18
1000	16.13	20.38	30.01	27.34	1.12	0.62	35.41	23.66	3.20
1200	16.05	20.43	26.37	31.32	1.13	0.64	36.14	23.55	3.24
1400	15.95	20.49	24.17	32.82	1.13	0.65	35.82	23.71	3.31
1600	15.87	20.58	23.14	31.22	1.15	0.67	34.61	23.62	3.39
1800	15.75	20.64	22.83	29.13	1.16	0.68	33.99	23.80	3.38
2000	15.65	20.75	22.97	27.12	1.17	0.70	34.52	23.69	3.38
2200	15.56	20.81	23.68	26.13	1.18	0.71	34.24	23.62	3.40
2400	15.50	20.82	24.86	25.53	1.18	0.71	34.05	23.63	3.41
2600	15.44	20.89	25.79	25.42	1.20	0.72	34.44	24.04	3.52
2800	15.37	20.98	26.41	25.89	1.21	0.73	34.24	23.16	3.59
3000	15.32	21.01	25.66	28.59	1.22	0.73	33.54	22.80	3.62
3200	15.26	21.07	23.71	34.09	1.23	0.74	33.72	23.30	3.67
3400	15.20	21.18	20.76	30.44	1.24	0.75	33.19	22.17	3.78
3600	15.11	21.28	17.86	23.13	1.25	0.76	33.54	22.51	3.85
3800	15.02	21.38	15.36	18.62	1.26	0.76	33.81	22.47	3.92
4000	14.91	21.55	13.35	15.57	1.26	0.77	32.38	21.63	3.98
4200	14.78	21.77	11.84	13.41	1.27	0.77	33.41	21.85	4.07
4400	14.67	21.94	10.74	11.93	1.27	0.77	32.62	21.78	4.10
4600	14.60	22.11	10.03	10.97	1.27	0.77	32.37	21.44	4.11
4800	14.52	22.27	9.67	10.45	1.27	0.78	32.52	21.38	4.11
5000	14.50	22.36	9.65	10.31	1.27	0.79	32.13	21.40	4.15
5200	14.57	22.41	10.00	10.51	1.26	0.80	31.95	21.04	4.29
5400	14.64	22.41	10.66	11.01	1.26	0.81	32.99	21.62	4.26
5600	14.74	22.43	11.57	11.73	1.26	0.83	32.27	21.35	4.28
5800	14.85	22.45	12.57	12.38	1.25	0.84	32.18	21.21	4.35
6000	14.99	22.45	13.56	13.25	1.26	0.84	31.77	20.97	4.50
6200	15.10	22.40	14.35	14.19	1.26	0.84	31.83	20.37	4.62
6400	15.18	22.44	14.61	15.61	1.28	0.84	31.04	19.77	4.77
6600	15.21	22.53	13.65	18.10	1.30	0.85	30.47	19.07	5.01
6800	15.15	22.71	11.51	19.70	1.32	0.88	29.97	18.52	5.17
7000	14.91	23.06	9.04	15.37	1.34	0.90	29.60	17.74	5.41
7200	14.45	23.63	6.94	10.72	1.35	0.89	29.01	17.43	5.59
7400	13.71	24.44	5.32	7.61	1.38	0.85	28.17	16.53	5.80
7600	12.64	25.59	4.15	5.91	1.44	0.84	28.10	16.29	5.92
7800	11.74	26.53	3.45	4.35	1.45	0.74	27.69	15.61	6.11
8000	10.75	27.65	2.99	3.43	1.50	0.67	27.90	15.41	6.24
8200	9.60	28.90	2.75	3.31	1.70	0.70	26.50	14.62	6.35

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 = 44mA @ 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)
50	15.03	19.85	16.04	16.39	1.12	0.66	26.57	16.41	2.89
100	15.15	19.56	20.78	21.02	1.12	0.64	25.76	16.88	2.88
200	15.19	19.44	23.51	24.56	1.11	0.63	26.47	17.42	2.78
400	15.18	19.49	22.89	29.42	1.12	0.64	25.86	17.67	2.70
600	15.12	19.55	21.32	30.63	1.13	0.65	25.35	17.50	2.64
800	15.00	19.67	19.69	28.31	1.14	0.67	25.62	17.16	2.58
1000	14.92	19.71	18.46	25.05	1.14	0.68	25.49	16.60	2.52
1200	14.81	19.78	17.70	23.14	1.15	0.69	25.18	16.27	2.55
1400	14.68	19.89	17.10	21.95	1.17	0.70	25.14	16.41	2.57
1600	14.57	19.98	16.87	21.24	1.18	0.72	24.84	16.34	2.62
1800	14.44	20.04	17.01	21.32	1.20	0.73	24.95	16.54	2.66
2000	14.29	20.18	17.31	21.79	1.22	0.75	25.04	16.70	2.66
2200	14.19	20.27	17.90	21.71	1.24	0.76	25.27	16.89	2.62
2400	14.11	20.31	18.84	21.08	1.25	0.76	25.40	16.81	2.78
2600	14.01	20.36	19.71	20.08	1.26	0.77	25.95	17.34	2.73
2800	13.88	20.47	20.30	18.97	1.28	0.78	24.89	16.54	2.86
3000	13.75	20.60	20.01	17.72	1.30	0.79	24.22	16.04	2.92
3200	13.59	20.72	18.98	16.61	1.32	0.80	25.08	16.67	2.97
3400	13.43	20.89	17.45	15.51	1.34	0.81	24.15	15.25	2.97
3600	13.27	21.10	15.79	14.48	1.37	0.82	24.55	15.87	2.99
3800	13.10	21.27	14.20	13.47	1.39	0.83	24.52	15.67	3.03
4000	12.93	21.46	12.85	12.61	1.41	0.83	23.46	14.85	3.14
4200	12.78	21.63	11.74	11.90	1.43	0.84	23.76	15.36	3.19
4400	12.65	21.80	10.91	11.46	1.46	0.84	23.75	15.42	3.17
4600	12.55	21.93	10.41	11.33	1.48	0.85	23.79	15.43	3.22
4800	12.48	22.05	10.17	11.50	1.50	0.86	24.26	15.60	3.30
5000	12.46	22.09	10.26	12.15	1.52	0.87	24.21	15.64	3.24
5200	12.46	22.10	10.72	13.39	1.55	0.89	23.53	15.66	3.31
5400	12.49	22.14	11.53	15.36	1.58	0.90	24.72	16.41	3.38
5600	12.50	22.14	12.78	18.52	1.61	0.91	24.80	16.28	3.37
5800	12.47	22.20	14.43	22.21	1.64	0.92	25.55	16.41	3.51
6000	12.38	22.31	16.49	21.12	1.68	0.91	25.76	16.29	3.48
6200	12.22	22.47	18.84	17.33	1.73	0.90	25.02	15.98	3.56
6400	12.02	22.64	21.06	14.49	1.77	0.89	24.36	15.61	3.71
6600	11.76	22.88	21.03	12.48	1.81	0.88	23.40	15.01	3.78
6800	11.41	23.18	18.18	11.05	1.86	0.88	22.80	14.49	4.00
7000	10.97	23.58	14.70	9.95	1.93	0.89	21.78	13.76	4.15
7200	10.45	24.00	11.74	8.98	2.00	0.91	21.20	12.92	4.29
7400	9.86	24.50	9.40	8.12	2.07	0.92	19.99	12.04	4.54
7600	9.23	25.02	7.63	7.32	2.14	0.94	20.02	11.57	4.70
7800	8.62	25.50	6.33	6.61	2.18	0.94	19.14	11.00	4.82
8000	8.03	25.92	5.39	6.03	2.21	0.94	19.47	10.84	5.00
8200	7.54	26.22	4.75	5.50	2.21	0.92	18.92	10.21	5.03

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 = 39mA @ 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)
50	14.72	19.54	15.68	17.60	1.13	0.67	25.11	15.91	2.89
100	14.82	19.32	19.46	23.49	1.12	0.65	24.33	16.39	2.89
200	14.86	19.20	21.07	29.03	1.12	0.64	25.02	16.92	2.79
400	14.85	19.27	20.42	36.68	1.12	0.65	24.42	17.17	2.73
600	14.78	19.35	19.18	29.99	1.13	0.66	23.89	17.17	2.68
800	14.65	19.45	17.92	25.69	1.14	0.68	24.20	16.98	2.63
1000	14.57	19.51	16.91	22.60	1.15	0.69	24.00	16.59	2.55
1200	14.45	19.60	16.30	20.98	1.16	0.70	23.80	16.24	2.58
1400	14.31	19.71	15.81	19.92	1.18	0.71	23.82	16.22	2.60
1600	14.20	19.78	15.66	19.37	1.19	0.72	23.46	16.15	2.69
1800	14.07	19.87	15.83	19.45	1.21	0.74	23.62	16.19	2.69
2000	13.92	19.98	16.13	19.92	1.23	0.76	23.66	16.66	2.70
2200	13.82	20.04	16.63	19.91	1.24	0.76	23.89	16.69	2.66
2400	13.74	20.07	17.44	19.52	1.25	0.77	24.03	16.46	2.68
2600	13.64	20.18	18.17	18.79	1.27	0.78	24.63	17.11	2.77
2800	13.50	20.24	18.67	17.91	1.29	0.78	23.50	16.17	2.87
3000	13.36	20.41	18.41	16.75	1.31	0.79	22.76	15.66	2.95
3200	13.19	20.55	17.55	15.66	1.33	0.80	23.72	16.27	2.98
3400	13.02	20.69	16.25	14.59	1.35	0.81	22.74	15.01	3.02
3600	12.84	20.90	14.80	13.57	1.38	0.82	23.21	15.45	3.03
3800	12.66	21.11	13.41	12.61	1.40	0.83	23.17	15.24	3.07
4000	12.48	21.29	12.20	11.81	1.43	0.83	22.13	14.57	3.15
4200	12.31	21.45	11.19	11.18	1.45	0.84	22.50	15.06	3.23
4400	12.18	21.64	10.46	10.80	1.47	0.84	22.50	15.13	3.20
4600	12.07	21.74	10.02	10.70	1.49	0.85	22.51	15.14	3.28
4800	12.00	21.86	9.82	10.89	1.52	0.86	22.91	15.14	3.36
5000	11.98	21.90	9.91	11.53	1.55	0.87	23.00	15.33	3.27
5200	11.99	21.91	10.39	12.70	1.57	0.89	22.27	15.35	3.38
5400	12.01	21.92	11.19	14.50	1.60	0.90	23.56	15.93	3.43
5600	12.02	21.89	12.41	17.20	1.63	0.91	23.73	15.94	3.43
5800	11.98	21.95	14.00	20.04	1.67	0.92	24.35	15.91	3.48
6000	11.88	22.02	15.99	19.53	1.71	0.91	24.60	15.79	3.52
6200	11.70	22.19	18.22	16.55	1.76	0.90	24.05	15.46	3.64
6400	11.47	22.39	20.02	13.94	1.81	0.89	23.57	15.07	3.78
6600	11.19	22.66	19.68	11.98	1.86	0.88	22.51	14.59	3.86
6800	10.80	22.95	17.06	10.57	1.91	0.88	22.03	14.04	4.05
7000	10.32	23.39	13.95	9.48	1.99	0.89	21.17	13.30	4.20
7200	9.76	23.84	11.26	8.52	2.06	0.90	20.74	12.74	4.35
7400	9.15	24.34	9.08	7.71	2.13	0.92	19.70	12.01	4.59
7600	8.50	24.90	7.43	6.97	2.21	0.93	19.78	11.54	4.75
7800	7.88	25.33	6.21	6.32	2.25	0.93	18.98	11.12	4.90
8000	7.29	25.72	5.32	5.80	2.28	0.93	19.29	10.81	5.06
8200	6.81	25.98	4.71	5.31	2.27	0.91	18.87	10.36	5.10

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 = 48mA @ 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)
50	15.28	20.04	16.28	15.53	1.12	0.65	28.37	17.15	2.95
100	15.40	19.75	21.71	19.45	1.11	0.63	26.84	17.48	2.94
200	15.44	19.61	25.82	22.20	1.11	0.62	27.67	18.01	2.82
400	15.44	19.66	25.59	25.71	1.11	0.62	27.15	18.12	2.72
600	15.38	19.71	23.47	28.19	1.12	0.64	26.63	17.94	2.69
800	15.27	19.82	21.40	28.97	1.13	0.66	26.98	17.60	2.56
1000	15.20	19.87	19.92	27.11	1.14	0.67	26.80	17.06	2.57
1200	15.09	19.96	18.96	25.21	1.15	0.68	26.51	16.73	2.64
1400	14.97	20.03	18.25	23.90	1.16	0.69	26.52	16.87	2.57
1600	14.86	20.11	17.96	23.06	1.18	0.71	26.24	16.81	2.68
1800	14.73	20.21	18.08	23.11	1.19	0.72	26.30	17.01	2.70
2000	14.59	20.33	18.41	23.61	1.21	0.74	26.19	17.17	2.70
2200	14.48	20.38	19.03	23.43	1.23	0.75	26.70	17.36	2.63
2400	14.41	20.44	20.11	22.50	1.24	0.75	26.77	17.28	2.58
2600	14.31	20.54	21.15	21.19	1.25	0.76	27.16	17.97	2.77
2800	14.18	20.62	21.83	19.94	1.27	0.77	26.09	17.02	2.88
3000	14.06	20.77	21.49	18.61	1.29	0.78	25.56	16.69	2.92
3200	13.91	20.88	20.27	17.52	1.31	0.79	26.48	17.32	2.98
3400	13.77	21.06	18.53	16.44	1.33	0.80	25.42	15.93	3.01
3600	13.61	21.22	16.67	15.36	1.35	0.81	25.93	16.40	3.07
3800	13.46	21.41	14.90	14.29	1.38	0.82	25.91	16.21	3.06
4000	13.31	21.58	13.40	13.34	1.40	0.83	24.66	15.41	3.17
4200	13.16	21.76	12.18	12.56	1.42	0.83	25.02	16.08	3.20
4400	13.04	21.93	11.28	12.06	1.44	0.84	25.14	15.99	3.20
4600	12.94	22.05	10.72	11.86	1.46	0.85	25.13	15.99	3.25
4800	12.88	22.15	10.45	12.01	1.48	0.86	25.47	16.17	3.35
5000	12.85	22.24	10.51	12.66	1.51	0.87	25.36	16.21	3.26
5200	12.86	22.28	10.96	13.94	1.53	0.88	24.77	16.08	3.33
5400	12.89	22.28	11.78	16.07	1.55	0.90	25.84	16.98	3.38
5600	12.90	22.31	13.03	19.70	1.58	0.91	26.07	16.85	3.40
5800	12.88	22.35	14.67	24.72	1.61	0.91	26.52	16.99	3.57
6000	12.81	22.44	16.75	22.94	1.64	0.91	26.73	16.89	3.48
6200	12.67	22.65	19.14	18.20	1.69	0.90	25.91	16.58	3.58
6400	12.50	22.76	21.57	15.10	1.72	0.88	25.21	16.10	3.74
6600	12.27	23.04	22.05	13.02	1.77	0.88	24.16	15.66	3.86
6800	11.96	23.31	19.07	11.59	1.81	0.88	23.62	15.03	4.01
7000	11.55	23.66	15.29	10.49	1.87	0.89	22.44	14.18	4.15
7200	11.07	24.11	12.10	9.48	1.94	0.91	21.81	13.34	4.36
7400	10.50	24.61	9.60	8.55	2.01	0.93	20.45	12.32	4.57
7600	9.88	25.15	7.74	7.66	2.07	0.94	20.51	11.86	4.71
7800	9.27	25.62	6.38	6.87	2.11	0.95	19.55	11.14	4.84
8000	8.68	26.13	5.39	6.23	2.15	0.95	19.94	10.96	5.02
8200	8.17	26.43	4.72	5.64	2.15	0.93	19.31	10.47	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 = 39mA @ 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)
50	14.76	19.50	15.42	17.63	1.12	0.67	23.63	14.49	2.18
100	14.87	19.27	19.12	24.50	1.12	0.65	22.68	14.82	2.29
200	14.92	19.16	20.59	31.98	1.11	0.63	23.55	15.52	2.22
400	14.93	19.20	20.29	43.79	1.12	0.64	22.93	16.11	2.08
600	14.87	19.29	19.10	30.60	1.12	0.65	22.51	15.96	2.10
800	14.77	19.38	17.98	26.09	1.13	0.66	22.78	15.29	2.15
1000	14.71	19.42	16.95	22.93	1.14	0.67	22.69	14.56	2.09
1200	14.62	19.50	16.25	21.17	1.15	0.68	22.38	14.23	2.12
1400	14.50	19.62	15.72	20.07	1.16	0.69	22.43	14.54	2.16
1600	14.42	19.67	15.35	19.33	1.17	0.70	22.01	14.36	2.23
1800	14.31	19.77	15.37	19.44	1.18	0.72	22.11	14.58	2.18
2000	14.18	19.87	15.56	20.18	1.20	0.73	22.29	15.09	2.20
2200	14.09	19.94	15.87	20.57	1.22	0.74	22.42	15.12	2.23
2400	14.06	19.96	16.73	20.62	1.22	0.74	22.57	15.10	2.34
2600	14.00	20.02	17.51	20.30	1.23	0.75	23.28	15.99	2.30
2800	13.91	20.11	18.07	19.58	1.25	0.76	22.18	15.06	2.31
3000	13.81	20.22	17.98	18.32	1.26	0.76	21.50	14.75	2.29
3200	13.70	20.34	17.25	17.05	1.28	0.77	22.42	15.58	2.36
3400	13.56	20.48	16.04	15.79	1.29	0.78	21.46	13.82	2.39
3600	13.42	20.68	14.62	14.54	1.31	0.79	21.86	14.65	2.42
3800	13.27	20.87	13.19	13.38	1.33	0.80	21.90	14.46	2.48
4000	13.12	21.06	11.90	12.43	1.35	0.81	20.85	13.64	2.56
4200	12.97	21.23	10.88	11.63	1.36	0.81	21.26	14.67	2.58
4400	12.86	21.38	10.09	11.13	1.38	0.81	21.34	14.56	2.62
4600	12.80	21.54	9.58	10.88	1.39	0.82	21.33	14.78	2.62
4800	12.75	21.64	9.30	10.99	1.40	0.83	21.65	15.03	2.62
5000	12.74	21.71	9.35	11.54	1.42	0.85	21.76	15.06	2.63
5200	12.79	21.72	9.64	12.44	1.43	0.86	21.03	15.09	2.70
5400	12.86	21.68	10.22	14.05	1.44	0.88	22.40	15.92	2.71
5600	12.92	21.66	11.10	16.52	1.46	0.89	22.57	16.15	2.74
5800	12.95	21.72	12.17	19.67	1.48	0.90	23.28	16.30	2.77
6000	12.96	21.70	13.40	20.88	1.49	0.89	23.47	16.30	2.85
6200	12.91	21.83	14.67	18.32	1.52	0.88	22.97	16.08	2.91
6400	12.78	22.00	15.82	15.44	1.55	0.87	22.39	15.77	3.00
6600	12.58	22.23	16.31	13.29	1.58	0.86	21.47	15.39	3.15
6800	12.31	22.49	15.49	11.64	1.62	0.86	20.96	15.07	3.25
7000	11.95	22.84	13.49	10.30	1.66	0.87	19.97	14.43	3.42
7200	11.45	23.35	11.06	9.13	1.72	0.88	19.62	13.94	3.58
7400	10.84	23.91	8.79	8.14	1.79	0.90	18.66	13.22	3.73
7600	10.13	24.56	6.98	7.34	1.86	0.92	18.88	12.99	3.85
7800	9.45	25.15	5.63	6.67	1.91	0.94	18.26	12.44	4.00
8000	8.84	25.77	4.66	5.77	1.92	0.92	18.59	12.29	4.17
8200	8.19	26.26	3.98	5.41	1.97	0.93	18.18	11.85	4.25

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 = 4.75V, Id = 36mA @ 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)
50	14.36	19.23	14.80	19.03	1.13	0.68	22.05	14.92	2.15
100	14.47	19.02	17.56	27.71	1.13	0.66	21.11	15.42	2.28
200	14.52	18.92	18.40	34.90	1.12	0.65	21.87	16.11	2.21
400	14.52	18.96	18.06	30.14	1.12	0.65	21.41	16.51	2.09
600	14.46	19.05	17.17	25.32	1.13	0.66	20.86	16.69	2.11
800	14.35	19.16	16.29	22.46	1.14	0.68	21.23	16.56	2.13
1000	14.28	19.20	15.44	20.21	1.15	0.68	21.07	16.34	2.06
1200	14.18	19.29	14.89	18.85	1.16	0.69	20.80	16.19	2.16
1400	14.05	19.39	14.46	17.99	1.17	0.70	20.84	16.17	2.24
1600	13.97	19.45	14.17	17.40	1.18	0.71	20.44	15.97	2.22
1800	13.86	19.55	14.22	17.49	1.19	0.73	20.48	16.01	2.18
2000	13.72	19.65	14.43	18.08	1.21	0.74	20.65	16.19	2.19
2200	13.63	19.73	14.73	18.44	1.23	0.75	20.92	16.20	2.21
2400	13.60	19.73	15.46	18.42	1.23	0.75	21.07	16.20	2.18
2600	13.54	19.79	16.14	18.24	1.24	0.76	21.59	16.54	2.24
2800	13.45	19.86	16.65	17.71	1.26	0.76	20.42	16.13	2.32
3000	13.34	19.99	16.55	16.67	1.27	0.77	19.86	15.84	2.26
3200	13.21	20.10	15.93	15.56	1.29	0.78	20.65	15.96	2.36
3400	13.06	20.28	14.89	14.42	1.31	0.79	19.77	15.05	2.44
3600	12.90	20.45	13.64	13.31	1.33	0.80	20.26	15.18	2.45
3800	12.72	20.64	12.40	12.28	1.34	0.80	20.25	14.82	2.53
4000	12.56	20.83	11.24	11.45	1.36	0.81	19.30	14.15	2.59
4200	12.41	21.06	10.32	10.77	1.38	0.81	19.68	14.95	2.61
4400	12.28	21.18	9.63	10.36	1.39	0.81	19.71	15.02	2.65
4600	12.21	21.35	9.18	10.18	1.41	0.82	19.71	15.08	2.64
4800	12.16	21.42	8.95	10.32	1.42	0.83	20.04	15.11	2.65
5000	12.15	21.48	9.00	10.86	1.44	0.85	20.15	15.15	2.60
5200	12.20	21.48	9.32	11.71	1.46	0.86	19.53	15.30	2.67
5400	12.27	21.44	9.91	13.18	1.47	0.88	20.87	15.64	2.72
5600	12.32	21.41	10.78	15.27	1.49	0.89	20.98	15.60	2.75
5800	12.34	21.42	11.85	17.62	1.51	0.90	21.68	15.72	2.83
6000	12.34	21.48	13.07	18.30	1.54	0.90	21.98	15.70	2.84
6200	12.25	21.57	14.36	16.49	1.56	0.89	21.58	15.49	2.92
6400	12.09	21.71	15.50	14.18	1.59	0.87	21.18	15.16	3.05
6600	11.85	21.98	15.85	12.25	1.63	0.86	20.25	14.76	3.14
6800	11.53	22.29	14.98	10.73	1.68	0.86	19.79	14.39	3.31
7000	11.10	22.69	12.99	9.48	1.73	0.86	18.94	13.88	3.41
7200	10.56	23.19	10.71	8.42	1.79	0.87	18.67	13.49	3.57
7400	9.92	23.80	8.59	7.55	1.87	0.89	17.99	13.03	3.67
7600	9.20	24.38	6.90	6.88	1.94	0.91	18.34	12.69	3.92
7800	8.52	24.96	5.61	6.29	1.99	0.93	17.99	12.42	4.03
8000	7.91	25.50	4.69	5.52	2.00	0.91	18.34	12.18	4.16
8200	7.28	25.94	4.03	5.22	2.04	0.92	18.12	12.16	4.26

Typical Performance Data

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

TEST CONDITIONS: Vd = 5.25V, Id = 43mA @ 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)
50	15.08	19.74	15.79	16.77	1.12	0.65	25.10	14.63	2.20
100	15.19	19.50	20.41	22.07	1.11	0.63	24.12	14.96	2.29
200	15.25	19.37	22.90	26.78	1.11	0.62	24.91	15.49	2.24
400	15.26	19.39	22.71	33.35	1.11	0.62	24.48	15.92	2.09
600	15.21	19.46	21.17	35.01	1.12	0.63	23.92	15.61	2.09
800	15.12	19.58	19.71	30.12	1.13	0.65	24.16	15.28	2.16
1000	15.06	19.59	18.47	26.01	1.13	0.65	24.07	14.57	2.07
1200	14.98	19.69	17.59	23.72	1.14	0.67	23.95	14.41	2.14
1400	14.87	19.77	16.92	22.29	1.15	0.68	23.76	14.56	2.20
1600	14.79	19.85	16.46	21.40	1.16	0.69	23.50	14.54	2.22
1800	14.68	19.94	16.46	21.50	1.17	0.70	23.63	14.76	2.20
2000	14.55	20.07	16.65	22.44	1.19	0.72	23.52	14.94	2.18
2200	14.46	20.10	17.00	22.98	1.20	0.73	23.89	14.99	2.21
2400	14.43	20.11	17.93	23.03	1.21	0.73	24.27	15.12	2.19
2600	14.37	20.20	18.77	22.56	1.22	0.74	24.70	15.87	2.30
2800	14.29	20.30	19.45	21.49	1.24	0.75	23.50	15.09	2.32
3000	14.20	20.41	19.35	19.99	1.25	0.76	22.95	14.80	2.27
3200	14.10	20.54	18.53	18.60	1.27	0.77	23.88	15.65	2.33
3400	13.98	20.67	17.15	17.21	1.28	0.78	22.86	14.07	2.41
3600	13.85	20.84	15.53	15.82	1.30	0.79	23.34	14.90	2.43
3800	13.71	20.99	13.94	14.49	1.31	0.79	23.32	14.72	2.49
4000	13.58	21.18	12.50	13.39	1.33	0.80	22.25	13.93	2.56
4200	13.45	21.35	11.36	12.44	1.34	0.80	22.60	14.80	2.61
4400	13.35	21.51	10.50	11.85	1.36	0.81	22.78	14.70	2.64
4600	13.28	21.66	9.93	11.52	1.37	0.82	22.69	14.91	2.64
4800	13.23	21.76	9.61	11.59	1.38	0.83	23.01	15.17	2.58
5000	13.23	21.86	9.63	12.12	1.40	0.84	23.10	15.20	2.61
5200	13.28	21.89	9.91	13.04	1.41	0.86	22.39	15.23	2.70
5400	13.36	21.83	10.49	14.80	1.41	0.87	23.73	16.24	2.71
5600	13.42	21.88	11.35	17.63	1.43	0.89	23.84	16.33	2.72
5800	13.46	21.90	12.41	21.86	1.45	0.89	24.41	16.66	2.78
6000	13.49	21.92	13.59	24.44	1.46	0.89	24.70	16.81	2.86
6200	13.46	22.03	14.83	20.46	1.48	0.88	24.03	16.48	2.92
6400	13.37	22.18	15.97	16.82	1.50	0.87	23.44	16.32	3.00
6600	13.22	22.36	16.47	14.41	1.53	0.86	22.41	15.84	3.14
6800	13.01	22.60	15.79	12.66	1.56	0.86	21.79	15.43	3.28
7000	12.69	22.91	13.79	11.22	1.60	0.87	20.64	14.80	3.42
7200	12.24	23.40	11.25	9.92	1.65	0.88	20.22	14.31	3.58
7400	11.66	23.97	8.87	8.78	1.71	0.91	19.01	13.46	3.71
7600	10.96	24.65	6.98	7.81	1.78	0.93	19.24	12.96	3.88
7800	10.28	25.29	5.58	7.00	1.83	0.95	18.35	12.20	4.01
8000	9.66	25.83	4.58	6.00	1.83	0.93	18.66	11.89	4.15
8200	8.98	26.46	3.88	5.56	1.88	0.94	18.21	11.41	4.24

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 = 43mA @ 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)
50	14.80	19.68	16.05	17.05	1.13	0.67	26.98	15.99	3.24
100	14.90	19.39	20.24	22.01	1.12	0.65	25.97	16.31	3.26
200	14.94	19.30	22.24	26.12	1.12	0.64	27.02	16.84	3.11
400	14.92	19.33	21.40	32.88	1.12	0.65	26.25	17.08	2.89
600	14.84	19.43	19.94	31.63	1.13	0.66	25.74	16.92	2.87
800	14.71	19.55	18.38	27.23	1.15	0.68	26.08	16.73	3.04
1000	14.61	19.63	17.27	23.85	1.16	0.69	25.91	16.17	2.92
1200	14.49	19.70	16.59	22.10	1.17	0.70	25.63	15.98	3.02
1400	14.35	19.80	16.14	21.03	1.18	0.72	25.65	16.11	3.09
1600	14.23	19.89	16.03	20.60	1.20	0.73	25.23	16.04	3.13
1800	14.09	19.98	16.29	21.04	1.22	0.75	25.53	16.07	3.16
2000	13.95	20.11	16.75	21.73	1.24	0.76	25.57	16.24	3.18
2200	13.83	20.16	17.42	22.08	1.26	0.77	25.84	16.41	3.16
2400	13.74	20.23	18.38	21.83	1.28	0.78	25.74	16.15	3.22
2600	13.62	20.32	19.11	20.91	1.29	0.79	26.28	16.81	3.26
2800	13.48	20.46	19.41	19.73	1.32	0.80	24.98	15.85	3.29
3000	13.33	20.57	18.89	18.18	1.34	0.81	24.51	15.32	3.29
3200	13.16	20.76	17.66	16.80	1.36	0.82	25.34	15.95	3.40
3400	12.98	20.93	16.07	15.40	1.39	0.83	24.41	14.68	3.49
3600	12.79	21.10	14.47	14.09	1.41	0.84	24.76	15.10	3.50
3800	12.59	21.32	13.03	12.90	1.44	0.84	24.71	15.02	3.62
4000	12.40	21.56	11.78	11.96	1.47	0.85	23.71	14.20	3.68
4200	12.22	21.75	10.82	11.21	1.49	0.85	24.06	14.51	3.74
4400	12.07	21.93	10.13	10.76	1.52	0.85	24.19	14.60	3.79
4600	11.98	22.09	9.72	10.61	1.55	0.86	24.16	14.60	3.76
4800	11.90	22.18	9.58	10.85	1.58	0.87	24.40	14.54	3.74
5000	11.86	22.23	9.78	11.56	1.61	0.89	24.48	14.71	3.80
5200	11.89	22.21	10.36	12.81	1.63	0.90	23.86	14.62	3.88
5400	11.89	22.24	11.31	15.02	1.68	0.92	24.98	15.19	3.87
5600	11.86	22.30	12.69	18.78	1.73	0.93	25.03	15.15	3.93
5800	11.78	22.40	14.46	25.02	1.79	0.94	25.51	15.11	4.00
6000	11.66	22.53	16.62	25.54	1.85	0.94	25.47	14.93	4.09
6200	11.44	22.71	18.86	19.63	1.92	0.93	24.59	14.42	4.22
6400	11.16	23.00	20.00	16.25	2.01	0.92	23.78	13.81	4.35
6600	10.83	23.33	18.15	14.15	2.10	0.93	22.83	13.25	4.49
6800	10.47	23.66	14.97	12.50	2.17	0.94	22.39	12.70	4.69
7000	10.07	23.98	12.08	10.94	2.20	0.95	21.56	11.98	4.87
7200	9.62	24.37	9.81	9.34	2.22	0.96	21.19	11.36	5.07
7400	9.11	24.80	8.07	7.83	2.21	0.94	20.20	10.73	5.25
7600	8.49	25.22	6.76	6.58	2.21	0.92	20.30	10.51	5.38
7800	7.82	25.77	5.77	5.74	2.27	0.89	19.41	9.92	5.50
8000	7.26	26.17	5.07	4.77	2.21	0.83	19.85	9.74	5.66
8200	6.53	26.64	4.59	4.36	2.31	0.81	19.03	9.22	5.75

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 = 4.75V, Id = 39mA @ 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)
50	14.51	19.47	15.66	18.21	1.13	0.69	25.66	15.23	3.18
100	14.60	19.19	18.98	24.46	1.13	0.66	25.00	15.70	3.23
200	14.64	19.08	20.24	30.93	1.12	0.65	25.76	16.22	3.09
400	14.62	19.15	19.44	38.04	1.13	0.66	24.98	16.59	2.89
600	14.52	19.27	18.24	28.63	1.14	0.68	24.58	16.45	2.92
800	14.39	19.37	16.97	24.33	1.15	0.69	24.92	16.41	2.96
1000	14.29	19.41	16.07	21.60	1.16	0.70	24.67	15.86	2.95
1200	14.16	19.54	15.49	20.14	1.18	0.71	24.47	15.50	3.02
1400	14.01	19.63	15.10	19.25	1.19	0.73	24.41	15.79	3.07
1600	13.89	19.70	15.05	18.93	1.21	0.74	24.13	15.56	3.14
1800	13.75	19.82	15.29	19.27	1.23	0.75	24.25	15.73	3.14
2000	13.61	19.91	15.72	19.88	1.25	0.77	24.35	15.91	3.13
2200	13.49	19.99	16.34	20.20	1.27	0.78	24.62	16.07	3.15
2400	13.39	20.07	17.17	20.10	1.29	0.79	24.63	15.81	3.41
2600	13.27	20.14	17.81	19.44	1.30	0.79	25.10	16.31	3.26
2800	13.13	20.28	18.04	18.46	1.33	0.80	24.01	15.50	3.32
3000	12.97	20.41	17.61	17.07	1.35	0.81	23.26	14.96	3.31
3200	12.79	20.59	16.55	15.79	1.38	0.82	24.16	15.43	3.39
3400	12.59	20.77	15.15	14.44	1.40	0.83	23.30	14.31	3.47
3600	12.39	20.98	13.73	13.23	1.43	0.84	23.62	14.56	3.52
3800	12.18	21.17	12.40	12.15	1.45	0.85	23.71	14.62	3.63
4000	11.98	21.38	11.27	11.29	1.48	0.85	22.65	13.79	3.68
4200	11.79	21.56	10.39	10.61	1.50	0.85	23.02	14.24	3.72
4400	11.63	21.78	9.76	10.23	1.54	0.85	23.06	14.34	3.75
4600	11.54	21.91	9.40	10.12	1.56	0.86	23.02	14.19	3.78
4800	11.46	22.02	9.28	10.39	1.60	0.87	23.34	14.26	3.81
5000	11.42	22.05	9.49	11.11	1.63	0.89	23.39	14.29	3.81
5200	11.45	22.08	10.07	12.31	1.66	0.90	22.83	14.35	3.97
5400	11.46	22.04	11.01	14.42	1.70	0.92	23.96	14.90	3.89
5600	11.42	22.11	12.37	17.86	1.76	0.94	24.01	14.73	3.93
5800	11.33	22.18	14.09	22.73	1.82	0.94	24.70	14.67	4.02
6000	11.19	22.31	16.14	23.12	1.89	0.94	24.63	14.48	4.12
6200	10.95	22.51	18.19	18.67	1.97	0.93	23.76	13.97	4.23
6400	10.64	22.82	19.01	15.59	2.07	0.93	23.06	13.49	4.37
6600	10.28	23.12	17.22	13.53	2.15	0.93	22.14	12.91	4.54
6800	9.89	23.48	14.32	11.90	2.23	0.94	21.78	12.33	4.69
7000	9.46	23.80	11.63	10.40	2.26	0.95	21.10	11.60	4.90
7200	8.99	24.19	9.52	8.88	2.27	0.95	20.80	11.10	5.08
7400	8.46	24.61	7.88	7.46	2.27	0.94	19.89	10.60	5.25
7600	7.83	25.06	6.63	6.30	2.27	0.91	19.98	10.37	5.41
7800	7.15	25.57	5.69	5.54	2.32	0.88	19.18	9.81	5.56
8000	6.60	25.93	5.03	4.62	2.26	0.82	19.63	9.63	5.69
8200	5.87	26.37	4.57	4.23	2.35	0.80	18.89	9.28	5.80

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 = 5.25V, Id = 47mA @ 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)
50	15.03	19.82	16.32	16.04	1.12	0.66	28.14	16.45	3.24
100	15.14	19.60	21.21	20.35	1.12	0.64	27.29	16.90	3.28
200	15.18	19.47	24.17	23.48	1.11	0.63	27.81	17.43	3.12
400	15.17	19.50	23.44	28.28	1.12	0.64	27.64	17.69	2.90
600	15.09	19.58	21.61	30.93	1.13	0.65	26.85	17.51	2.92
800	14.97	19.69	19.73	29.51	1.14	0.67	27.15	17.17	2.96
1000	14.88	19.76	18.45	26.05	1.15	0.68	27.05	16.77	2.94
1200	14.76	19.82	17.64	24.05	1.16	0.70	26.76	16.44	3.03
1400	14.62	19.94	17.10	22.79	1.18	0.71	26.69	16.58	3.06
1600	14.51	20.04	16.97	22.36	1.19	0.73	26.43	16.50	3.13
1800	14.37	20.14	17.22	22.81	1.21	0.74	26.58	16.68	3.14
2000	14.23	20.24	17.68	23.67	1.23	0.76	26.66	16.71	3.14
2200	14.11	20.28	18.46	23.98	1.25	0.76	27.04	16.87	3.15
2400	14.02	20.40	19.50	23.59	1.27	0.77	26.84	16.76	3.22
2600	13.90	20.47	20.37	22.38	1.29	0.78	27.31	17.29	3.23
2800	13.77	20.58	20.73	20.94	1.31	0.79	26.08	16.48	3.30
3000	13.63	20.75	20.11	19.30	1.33	0.80	25.70	15.97	3.29
3200	13.47	20.88	18.72	17.81	1.35	0.81	26.45	16.46	3.38
3400	13.30	21.06	16.91	16.34	1.38	0.83	25.68	15.21	3.46
3600	13.12	21.24	15.17	14.92	1.40	0.83	25.98	15.63	3.52
3800	12.94	21.43	13.57	13.62	1.43	0.84	25.73	15.56	3.60
4000	12.76	21.63	12.21	12.58	1.45	0.85	24.78	14.75	3.67
4200	12.58	21.83	11.17	11.73	1.48	0.85	25.14	15.21	3.73
4400	12.44	22.02	10.43	11.22	1.50	0.85	25.23	15.16	3.75
4600	12.35	22.19	9.98	11.03	1.53	0.86	25.18	15.00	3.77
4800	12.28	22.29	9.82	11.23	1.55	0.87	25.44	15.10	3.78
5000	12.23	22.38	10.00	11.92	1.59	0.88	25.40	15.27	3.78
5200	12.26	22.41	10.56	13.15	1.62	0.90	24.77	15.03	3.90
5400	12.27	22.41	11.53	15.41	1.65	0.91	25.90	15.75	3.88
5600	12.24	22.47	12.91	19.40	1.70	0.93	25.96	15.71	3.90
5800	12.18	22.57	14.70	26.98	1.75	0.94	26.30	15.68	3.99
6000	12.07	22.72	16.89	28.67	1.81	0.93	26.17	15.52	4.06
6200	11.88	22.88	19.28	20.66	1.88	0.93	25.25	14.87	4.17
6400	11.62	23.15	20.69	17.02	1.96	0.92	24.46	14.42	4.33
6600	11.33	23.46	18.91	14.86	2.04	0.93	23.50	13.74	4.51
6800	11.00	23.72	15.52	13.18	2.09	0.94	22.99	13.08	4.66
7000	10.62	24.08	12.41	11.54	2.14	0.95	22.14	12.38	4.86
7200	10.20	24.48	10.02	9.80	2.15	0.96	21.71	11.77	5.06
7400	9.70	24.83	8.21	8.17	2.13	0.95	20.65	11.15	5.21
7600	9.08	25.33	6.83	6.82	2.15	0.92	20.75	10.93	5.35
7800	8.41	25.87	5.79	5.92	2.20	0.90	19.85	10.33	5.52
8000	7.84	26.34	5.07	4.87	2.16	0.84	20.32	10.01	5.66
8200	7.10	26.88	4.57	4.44	2.27	0.81	19.33	9.45	5.76