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 = 3.9V, Id = 84.29 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)
200	5.33	45.80	1.06	2.71	4.75	0.84	21.82	10.32	8.59
300	11.15	43.00	3.26	6.42	7.67	1.15	26.88	15.65	6.87
400	13.09	45.69	5.85	10.44	14.24	1.15	28.25	17.36	6.47
500	13.83	48.10	8.26	14.37	21.13	1.11	28.85	17.84	6.48
600	14.19	49.15	10.40	18.18	25.02	1.08	28.80	18.07	6.17
700	14.42	47.93	12.34	22.70	22.17	1.05	28.98	18.19	6.09
800	14.53	46.27	14.15	26.60	18.53	1.04	29.06	18.11	5.93
900	14.63	44.68	15.86	32.71	15.50	1.02	29.13	18.35	5.90
1000	14.69	42.95	17.54	35.13	12.73	1.02	28.80	18.18	5.86
1100	14.73	42.19	19.17	32.35	11.68	1.01	29.12	18.28	5.81
1200	14.75	41.19	20.74	28.92	10.41	1.01	29.15	18.21	5.78
1300	14.77	40.29	22.00	26.42	9.38	1.00	28.95	18.25	5.75
1400	14.78	39.36	22.83	24.32	8.42	1.00	28.87	18.18	5.69
1500	14.77	38.90	23.27	22.78	7.99	1.00	28.84	18.09	5.64
1600	14.78	38.31	23.05	21.54	7.44	0.99	28.71	18.11	5.68
1700	14.75	37.60	22.23	20.66	6.87	0.99	28.71	18.15	5.58
1800	14.70	37.03	21.42	19.92	6.46	0.99	28.51	18.08	5.61
1900	14.67	36.55	20.66	19.27	6.12	0.99	28.51	18.19	5.55
2000	14.60	36.26	19.70	18.68	5.93	0.99	28.58	18.10	5.53
2100	14.55	36.03	19.07	18.29	5.80	0.99	28.41	17.99	5.51
2200	14.50	35.65	18.43	17.53	5.56	0.99	28.43	17.97	5.49
2300	14.40	35.17	17.78	17.56	5.31	0.99	28.28	17.87	5.49
2400	14.31	35.08	17.33	17.48	5.30	0.99	28.15	17.95	5.45
2500	14.21	34.73	16.86	17.29	5.13	1.00	28.04	17.88	5.47
2600	14.09	35.08	16.68	17.63	5.42	1.00	28.09	17.76	5.47
2700	13.94	34.19	15.96	17.80	4.97	1.00	27.93	17.73	5.46
2800	13.83	34.44	15.99	17.93	5.18	1.00	27.75	17.61	5.48
2900	13.64	33.99	15.43	18.48	5.03	1.01	27.59	17.42	5.48
3000	13.53	33.43	15.05	18.39	4.77	1.01	27.67	17.25	5.43
3100	13.34	33.47	14.84	19.07	4.90	1.01	27.60	17.25	5.50
3200	13.07	34.06	14.30	20.55	5.39	1.02	27.08	17.15	5.51
3300	12.97	32.89	14.12	20.25	4.77	1.02	26.78	16.85	5.55
3400	12.77	32.96	13.91	21.34	4.92	1.02	26.87	16.88	5.57
3500	12.53	32.92	13.40	22.91	5.02	1.03	26.77	16.67	5.60
3600	12.28	33.17	13.21	23.73	5.31	1.03	26.48	16.60	5.62
3700	11.98	32.51	13.21	25.64	5.10	1.03	26.26	16.28	5.73
3800	11.78	33.08	12.32	27.45	5.51	1.05	26.14	16.27	5.76
3900	11.53	32.58	12.06	27.82	5.33	1.05	25.95	16.21	5.80
4000	11.19	33.45	11.34	30.06	6.05	1.07	25.89	15.80	5.85

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 = 2.8V, Id =80.69 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)
200	4.69	45.98	1.16	2.82	5.90	0.85	13.72	4.67	8.80
300	10.25	44.33	3.39	6.55	10.38	1.15	19.88	9.22	7.04
400	12.03	47.50	6.02	10.20	20.01	1.13	22.28	11.13	6.60
500	12.67	48.98	8.45	13.18	26.62	1.09	23.22	11.86	6.55
600	12.97	49.14	10.61	15.29	28.46	1.06	23.44	12.30	6.23
700	13.15	46.66	12.59	16.80	21.88	1.03	23.81	12.50	6.20
800	13.23	44.77	14.44	17.47	17.86	1.02	23.92	12.57	5.98
900	13.30	43.20	16.22	18.00	15.02	1.01	24.16	12.90	6.03
1000	13.34	41.92	18.03	18.07	13.02	1.00	23.99	12.85	5.92
1100	13.36	40.61	19.90	18.14	11.24	0.99	24.32	12.93	5.89
1200	13.36	39.88	21.83	18.17	10.37	0.99	24.34	12.87	5.87
1300	13.36	38.96	23.75	18.13	9.35	0.99	24.28	12.98	5.81
1400	13.35	38.33	25.44	17.96	8.73	0.98	24.20	12.98	5.78
1500	13.33	37.83	26.77	17.92	8.26	0.98	24.26	12.97	5.72
1600	13.32	37.08	26.97	17.67	7.58	0.98	24.19	12.99	5.75
1700	13.28	36.53	26.05	17.64	7.15	0.98	24.25	13.08	5.67
1800	13.22	36.16	24.96	17.65	6.89	0.98	24.19	13.04	5.65
1900	13.18	35.65	23.83	17.70	6.54	0.98	24.27	13.23	5.61
2000	13.11	35.35	22.55	17.80	6.36	0.98	24.30	13.09	5.61
2100	13.04	34.80	21.61	17.86	6.01	0.99	24.22	13.15	5.54
2200	12.98	34.79	20.75	17.73	6.03	0.99	24.15	13.07	5.59
2300	12.88	34.06	19.90	18.21	5.61	0.99	24.15	13.14	5.56
2400	12.79	33.92	19.33	18.55	5.58	0.99	24.16	13.25	5.55
2500	12.69	33.79	18.65	18.67	5.56	0.99	24.14	13.28	5.55
2600	12.56	33.94	18.31	19.28	5.73	1.00	24.18	13.28	5.54
2700	12.42	33.04	17.42	20.27	5.26	1.00	24.08	13.23	5.57
2800	12.30	33.32	17.23	20.41	5.50	1.00	24.01	13.22	5.60
2900	12.11	32.92	16.53	22.02	5.37	1.01	23.85	13.15	5.55
3000	11.99	32.26	16.00	22.47	5.04	1.01	23.94	13.24	5.55
3100	11.81	32.35	15.57	23.20	5.19	1.02	23.89	13.25	5.61
3200	11.55	32.64	14.84	24.50	5.49	1.02	23.44	13.26	5.57
3300	11.44	31.79	14.56	24.92	5.04	1.02	23.26	12.99	5.65
3400	11.24	31.88	14.18	25.91	5.21	1.03	23.42	13.06	5.70
3500	11.00	31.71	13.59	25.81	5.21	1.03	23.37	13.08	5.70
3600	10.75	32.11	13.26	26.08	5.59	1.04	23.14	13.19	5.79
3700	10.46	31.35	13.08	22.81	5.27	1.04	23.05	12.89	5.83
3800	10.26	31.92	12.22	23.75	5.69	1.05	22.96	13.02	5.90
3900	10.02	31.51	11.90	21.96	5.54	1.05	22.87	12.99	5.95
4000	9.69	32.18	11.17	21.55	6.12	1.07	22.94	12.72	6.01

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 = 85.62 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)
200	5.55	45.24	1.02	2.63	4.07	0.83	23.85	11.68	8.48
300	11.53	42.16	3.21	6.26	6.46	1.15	29.96	17.81	6.77
400	13.58	44.78	5.78	10.29	11.96	1.15	31.52	20.04	6.41
500	14.38	46.98	8.16	14.22	17.31	1.11	32.10	20.48	6.40
600	14.79	49.74	10.28	17.83	24.91	1.08	32.06	20.64	6.10
700	15.04	49.08	12.22	21.46	23.50	1.05	32.40	20.69	6.04
800	15.17	47.29	14.02	23.20	19.31	1.03	32.20	20.61	5.89
900	15.29	46.05	15.69	23.54	16.74	1.02	32.16	20.65	5.89
1000	15.37	44.15	17.28	23.32	13.45	1.01	31.97	20.46	5.81
1100	15.42	42.94	18.83	22.34	11.68	1.00	31.91	20.50	5.75
1200	15.47	42.30	20.16	21.21	10.82	1.00	31.98	20.44	5.73
1300	15.50	41.30	21.18	20.16	9.62	0.99	31.88	20.39	5.69
1400	15.52	40.37	21.66	19.24	8.60	0.99	31.62	20.18	5.63
1500	15.53	40.38	21.83	18.29	8.58	0.99	31.53	20.13	5.60
1600	15.55	39.39	21.57	17.59	7.62	0.99	31.43	20.12	5.64
1700	15.52	38.53	20.75	16.96	6.90	0.98	31.09	19.86	5.52
1800	15.49	38.29	20.02	16.37	6.70	0.98	31.04	19.77	5.55
1900	15.46	37.79	19.36	15.81	6.32	0.98	30.76	19.74	5.47
2000	15.41	37.03	18.50	15.29	5.80	0.98	30.81	19.59	5.44
2100	15.36	36.93	17.95	14.96	5.73	0.98	30.59	19.49	5.42
2200	15.32	36.77	17.39	14.33	5.61	0.98	30.68	19.49	5.43
2300	15.22	36.28	16.85	14.24	5.34	0.98	30.39	19.23	5.42
2400	15.14	35.97	16.50	14.08	5.20	0.98	30.26	19.35	5.43
2500	15.05	35.93	16.15	13.94	5.21	0.98	29.93	19.07	5.40
2600	14.93	36.41	16.02	14.11	5.58	0.98	29.85	18.99	5.40
2700	14.79	35.20	15.42	14.07	4.93	0.98	29.86	18.99	5.40
2800	14.68	35.47	15.56	14.17	5.16	0.98	29.65	18.81	5.44
2900	14.48	35.27	15.10	14.37	5.15	0.99	29.42	18.63	5.40
3000	14.37	34.57	14.81	14.26	4.81	0.98	29.37	18.42	5.38
3100	14.18	34.49	14.72	14.74	4.89	0.99	29.31	18.38	5.45
3200	13.90	35.24	14.25	15.63	5.51	1.00	28.84	18.22	5.41
3300	13.82	33.97	14.10	15.37	4.82	1.00	28.50	17.98	5.46
3400	13.61	34.01	13.96	15.98	4.97	1.00	28.66	17.90	5.49
3500	13.36	34.01	13.43	16.88	5.11	1.01	28.33	17.72	5.50
3600	13.10	34.25	13.32	17.39	5.41	1.02	28.10	17.61	5.55
3700	12.80	33.21	13.31	19.02	5.01	1.02	28.00	17.31	5.63
3800	12.58	34.24	12.39	19.41	5.71	1.03	27.89	17.28	5.71
3900	12.33	33.70	12.08	20.35	5.51	1.04	27.56	17.17	5.74
4000	11.97	34.62	11.38	21.76	6.31	1.06	27.63	16.74	5.81

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 = 3.9V, Id =81.32 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)
200	5.69	45.18	0.90	2.64	3.51	0.84	22.54	10.58	7.72
300	11.76	42.53	3.10	6.36	6.46	1.16	27.82	16.11	5.94
400	13.71	44.60	5.67	10.22	11.42	1.16	29.06	17.82	5.60
500	14.48	48.12	7.94	14.14	19.34	1.12	29.63	18.21	6.28
600	14.87	50.90	10.07	18.05	28.07	1.08	29.52	18.37	5.32
700	15.13	48.46	11.98	22.14	21.62	1.06	29.68	18.41	4.92
800	15.26	47.05	13.79	24.57	18.57	1.04	29.73	18.46	5.08
900	15.36	45.86	15.50	25.42	16.26	1.02	29.95	18.65	5.02
1000	15.45	44.19	17.13	25.40	13.40	1.01	29.67	18.47	5.00
1100	15.50	43.05	18.67	24.40	11.74	1.01	29.97	18.57	4.96
1200	15.55	42.16	19.81	23.83	10.57	1.00	29.81	18.49	4.91
1300	15.58	41.42	20.75	22.84	9.69	1.00	29.73	18.52	4.89
1400	15.60	40.27	21.65	21.50	8.47	1.00	29.54	18.45	4.82
1500	15.60	39.75	22.09	20.19	7.97	0.99	29.63	18.43	4.78
1600	15.63	38.83	21.58	19.24	7.12	0.99	29.47	18.44	4.83
1700	15.60	38.13	20.91	18.30	6.57	0.99	29.48	18.45	4.71
1800	15.56	37.89	20.50	17.54	6.39	0.99	29.35	18.43	4.73
1900	15.54	37.31	19.83	16.94	5.97	0.98	29.42	18.60	4.68
2000	15.49	36.87	18.87	16.43	5.68	0.98	29.47	18.50	4.64
2100	15.45	36.58	18.35	16.10	5.50	0.98	29.20	18.43	4.62
2200	15.42	36.50	18.04	15.55	5.45	0.98	29.08	18.36	4.59
2300	15.33	35.70	17.54	15.26	5.01	0.98	29.01	18.38	4.60
2400	15.24	35.72	17.05	14.97	5.05	0.98	28.92	18.43	4.57
2500	15.16	35.46	16.53	14.56	4.92	0.98	28.88	18.36	4.56
2600	15.04	35.66	16.33	14.73	5.10	0.98	28.88	18.28	4.57
2700	14.90	34.70	15.66	14.73	4.63	0.98	28.77	18.30	4.56
2800	14.82	35.22	15.88	14.76	4.97	0.98	28.59	18.19	4.60
2900	14.60	34.89	15.07	15.12	4.90	0.99	28.41	18.09	4.58
3000	14.51	34.01	14.71	15.05	4.47	0.99	28.43	18.01	4.65
3100	14.36	33.89	14.63	15.58	4.50	0.99	28.44	17.99	4.58
3200	14.08	34.77	14.10	16.85	5.15	1.01	27.85	17.84	4.58
3300	14.02	33.31	14.03	16.50	4.40	1.00	27.59	17.65	4.60
3400	13.80	33.50	13.84	17.17	4.61	1.01	27.74	17.54	4.66
3500	13.59	33.30	13.39	18.05	4.62	1.01	27.58	17.42	4.67
3600	13.35	33.57	13.12	18.34	4.88	1.02	27.33	17.35	4.69
3700	12.90	34.27	12.83	22.22	5.58	1.04	27.25	17.09	4.80
3800	12.83	33.59	12.39	20.94	5.16	1.04	27.05	17.03	4.79
3900	12.60	33.08	12.12	22.45	4.99	1.04	26.91	16.96	4.85
4000	12.24	34.21	11.32	24.05	5.85	1.06	26.84	16.53	4.91

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 = 2.8V, Id =78.75 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)
200	5.10	45.64	1.02	2.76	4.68	0.85	14.73	5.66	7.96
300	10.92	43.69	3.26	6.60	8.69	1.16	21.40	10.36	6.15
400	12.71	45.64	5.85	10.40	14.78	1.15	23.01	12.04	5.73
500	13.38	50.14	8.17	14.00	27.93	1.11	23.65	12.68	6.39
600	13.73	48.97	10.30	17.29	25.71	1.07	23.73	13.00	5.39
700	13.94	46.82	12.26	20.38	20.53	1.05	24.03	13.23	5.58
800	14.04	45.62	14.11	22.22	18.14	1.03	24.09	13.29	5.18
900	14.11	44.35	15.92	23.95	15.77	1.02	24.41	13.62	5.22
1000	14.18	42.66	17.73	24.61	13.01	1.01	24.21	13.51	5.07
1100	14.21	41.47	19.53	24.94	11.39	1.01	24.52	13.59	5.04
1200	14.23	40.53	21.11	24.31	10.23	1.00	24.41	13.56	5.00
1300	14.24	39.74	22.55	23.32	9.35	1.00	24.47	13.62	4.97
1400	14.24	38.91	24.14	22.20	8.50	0.99	24.36	13.58	4.92
1500	14.23	38.39	25.53	21.70	8.02	0.99	24.47	13.58	4.87
1600	14.23	37.54	25.12	20.80	7.27	0.99	24.32	13.54	4.89
1700	14.19	37.06	24.35	20.30	6.90	0.99	24.52	13.77	4.78
1800	14.14	36.67	23.89	19.97	6.62	0.99	24.45	13.74	4.80
1900	14.11	36.16	22.98	19.69	6.26	0.99	24.60	13.95	4.77
2000	14.05	35.68	21.68	19.56	5.96	0.99	24.70	13.90	4.73
2100	14.00	35.20	20.95	19.28	5.66	0.99	24.60	13.86	4.69
2200	13.95	35.39	20.50	18.67	5.80	0.99	24.40	13.73	4.71
2300	13.85	34.54	19.80	18.61	5.32	0.99	24.56	13.79	4.70
2400	13.76	34.41	19.11	18.52	5.28	0.99	24.49	13.96	4.66
2500	13.67	34.44	18.34	18.24	5.33	0.99	24.62	14.04	4.66
2600	13.55	34.43	17.94	18.85	5.41	1.00	24.66	14.03	4.68
2700	13.42	33.54	17.13	19.48	4.96	1.00	24.48	13.92	4.68
2800	13.33	34.09	17.13	19.51	5.33	1.00	24.45	13.96	4.71
2900	13.12	33.57	16.11	20.85	5.14	1.01	24.39	13.99	4.66
3000	13.02	32.81	15.57	21.16	4.76	1.01	24.53	14.04	4.75
3100	12.86	32.71	15.30	22.12	4.79	1.01	24.35	14.00	4.71
3200	12.60	33.28	14.55	24.70	5.25	1.02	23.96	13.95	4.66
3300	12.51	32.12	14.39	24.18	4.64	1.02	23.78	13.80	4.71
3400	12.31	32.37	14.01	25.65	4.88	1.03	23.90	13.77	4.76
3500	12.09	32.05	13.43	27.71	4.79	1.03	23.91	13.84	4.77
3600	11.85	32.32	13.05	28.82	5.06	1.04	23.62	13.81	4.82
3700	11.45	32.99	12.55	31.53	5.67	1.05	23.60	13.63	4.91
3800	11.36	32.34	12.16	32.86	5.30	1.05	23.42	13.67	4.94
3900	11.14	31.95	11.81	29.20	5.17	1.06	23.46	13.76	4.97
4000	10.79	32.67	11.06	28.17	5.75	1.07	23.43	13.49	5.04

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 = 82.75 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)
200	5.86	44.97	0.86	2.60	3.15	0.83	24.14	11.47	7.67
300	12.02	41.72	3.05	6.25	5.55	1.16	30.70	17.76	5.90
400	14.04	44.24	5.59	10.02	10.40	1.16	32.51	20.15	5.59
500	14.85	47.69	7.87	13.74	17.50	1.12	33.21	20.54	6.27
600	15.26	49.30	10.01	17.09	22.19	1.08	33.87	20.72	5.28
700	15.54	49.57	11.92	19.70	23.28	1.05	33.68	20.81	5.22
800	15.68	48.65	13.73	20.57	21.13	1.03	33.31	20.70	5.08
900	15.80	46.85	15.44	20.43	17.20	1.02	33.30	20.65	5.12
1000	15.90	44.77	17.02	20.14	13.50	1.01	33.19	20.51	4.98
1100	15.97	43.33	18.43	19.55	11.40	1.00	33.00	20.54	4.94
1200	16.03	42.48	19.40	19.26	10.29	1.00	33.01	20.54	4.92
1300	16.08	41.75	20.18	18.81	9.42	0.99	32.77	20.45	4.88
1400	16.12	40.72	20.83	18.09	8.32	0.99	32.41	20.21	4.81
1500	16.13	40.12	21.00	17.24	7.73	0.99	32.21	20.18	4.77
1600	16.17	39.55	20.43	16.63	7.18	0.98	32.19	20.15	4.82
1700	16.16	38.74	19.77	15.94	6.52	0.98	31.77	19.82	4.70
1800	16.14	38.43	19.33	15.36	6.28	0.98	31.59	19.72	4.70
1900	16.13	37.79	18.72	14.85	5.81	0.98	31.26	19.66	4.67
2000	16.08	37.32	17.83	14.44	5.49	0.97	31.48	19.55	4.64
2100	16.06	37.23	17.44	14.17	5.43	0.97	31.04	19.48	4.59
2200	16.03	37.06	17.12	13.69	5.31	0.97	31.29	19.53	4.58
2300	15.95	36.44	16.75	13.46	4.98	0.97	30.71	19.27	4.57
2400	15.87	36.08	16.32	13.20	4.80	0.97	30.57	19.34	4.56
2500	15.79	36.21	15.93	12.86	4.88	0.97	30.19	18.98	4.58
2600	15.68	36.33	15.81	12.98	5.01	0.97	30.31	18.94	4.55
2700	15.55	35.34	15.26	12.94	4.53	0.97	30.25	19.08	4.54
2800	15.48	35.72	15.54	12.93	4.79	0.97	29.90	18.86	4.57
2900	15.25	35.56	14.83	13.25	4.82	0.97	29.77	18.79	4.57
3000	15.16	34.71	14.59	13.18	4.42	0.97	29.67	18.56	4.62
3100	15.01	34.65	14.63	13.65	4.49	0.98	29.73	18.52	4.56
3200	14.71	35.72	14.12	14.75	5.27	0.99	29.13	18.40	4.52
3300	14.66	34.10	14.09	14.39	4.41	0.99	28.81	18.19	4.58
3400	14.44	34.00	13.95	14.95	4.49	0.99	29.07	18.13	4.64
3500	14.21	33.98	13.44	15.63	4.60	1.00	28.64	17.81	4.62
3600	13.96	34.01	13.21	16.04	4.75	1.01	28.62	17.84	4.66
3700	13.50	34.74	12.84	19.04	5.47	1.03	28.47	17.55	4.75
3800	13.43	34.27	12.38	18.11	5.18	1.03	28.27	17.51	4.77
3900	13.19	33.78	12.05	19.20	5.03	1.04	28.00	17.39	4.81
4000	12.80	34.75	11.26	20.65	5.80	1.06	27.96	16.86	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 = 3.9V, Id = 84.35 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)
200	5.04	45.05	1.19	2.75	5.09	0.84	21.42	10.06	9.16
300	10.71	43.17	3.39	6.37	8.46	1.14	26.70	15.14	7.51
400	12.67	45.26	5.92	10.43	14.28	1.15	28.33	16.90	7.07
500	13.45	48.19	8.29	14.52	22.36	1.11	28.78	17.52	7.29
600	13.82	49.08	10.46	18.48	25.94	1.08	28.89	17.71	6.74
700	14.04	47.34	12.43	23.13	21.67	1.05	28.95	17.79	6.75
800	14.16	46.31	14.31	28.03	19.47	1.04	29.03	17.83	6.49
900	14.26	44.67	16.20	35.40	16.20	1.02	29.14	18.04	6.49
1000	14.32	42.95	18.14	34.67	13.31	1.01	28.86	17.85	6.42
1100	14.35	42.06	20.07	30.22	12.03	1.01	29.15	17.94	6.41
1200	14.38	40.84	21.98	27.04	10.46	1.00	29.09	17.88	6.38
1300	14.39	40.26	23.65	24.83	9.78	1.00	29.02	17.96	6.33
1400	14.39	39.37	24.50	23.23	8.82	1.00	28.79	17.84	6.29
1500	14.37	38.88	24.53	21.93	8.35	0.99	28.84	17.85	6.26
1600	14.38	38.11	23.89	20.76	7.61	0.99	28.72	17.85	6.30
1700	14.33	37.71	22.71	20.05	7.30	0.99	28.63	17.88	6.20
1800	14.28	37.13	21.66	19.37	6.84	0.99	28.55	17.76	6.18
1900	14.24	36.59	20.75	18.79	6.43	0.99	28.48	17.90	6.17
2000	14.17	36.00	19.78	18.23	6.05	0.99	28.46	17.83	6.11
2100	14.11	35.98	19.18	17.84	6.05	0.99	28.29	17.68	6.10
2200	14.05	35.74	18.65	17.28	5.91	0.99	28.28	17.67	6.09
2300	13.95	35.04	18.02	17.10	5.50	0.99	28.26	17.57	6.10
2400	13.85	34.85	17.58	16.99	5.43	0.99	27.99	17.66	6.09
2500	13.76	35.22	17.28	16.85	5.71	0.99	27.87	17.60	6.08
2600	13.64	34.63	17.01	16.85	5.40	0.99	27.92	17.50	6.08
2700	13.49	34.02	16.43	17.23	5.13	1.00	27.73	17.39	6.08
2800	13.35	34.59	16.55	17.40	5.57	1.00	27.58	17.24	6.11
2900	13.17	34.03	15.95	17.86	5.33	1.00	27.42	17.04	6.10
3000	13.04	33.51	15.61	17.86	5.09	1.00	27.43	16.98	6.06
3100	12.85	33.60	15.37	18.52	5.26	1.01	27.28	16.96	6.15
3200	12.57	34.15	14.85	19.81	5.79	1.01	26.77	16.71	6.12
3300	12.46	33.16	14.76	19.85	5.24	1.01	26.51	16.51	6.17
3400	12.25	33.07	14.29	20.70	5.30	1.02	26.60	16.50	6.24
3500	12.00	32.99	13.92	22.36	5.40	1.02	26.40	16.21	6.25
3600	11.80	32.75	13.51	22.84	5.36	1.03	26.15	16.17	6.29
3700	11.47	32.86	13.32	25.18	5.63	1.03	25.98	15.81	6.36
3800	11.26	33.17	12.51	26.44	5.91	1.05	25.84	15.84	6.39
3900	11.00	32.77	12.31	26.75	5.80	1.05	25.56	15.82	6.47
4000	10.65	33.46	11.40	28.34	6.44	1.06	25.53	15.28	6.55

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 = 2.8V, Id = 80.82 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)
200	4.37	46.26	1.30	2.85	7.17	0.85	13.22	3.77	9.45
300	9.79	44.03	3.53	6.48	10.83	1.13	18.71	8.47	7.71
400	11.59	46.63	6.08	10.19	19.14	1.13	21.37	10.44	7.23
500	12.27	49.59	8.48	13.39	29.99	1.09	22.46	11.07	7.43
600	12.59	49.38	10.66	15.64	30.68	1.06	22.81	11.48	6.85
700	12.77	46.62	12.63	17.19	22.83	1.04	23.21	11.80	6.76
800	12.85	44.42	14.51	18.04	17.98	1.02	23.36	11.90	6.62
900	12.92	43.14	16.41	18.70	15.63	1.01	23.59	12.08	6.75
1000	12.96	41.60	18.41	18.85	13.15	1.00	23.47	12.09	6.50
1100	12.98	40.75	20.58	18.94	11.98	0.99	23.78	12.23	6.52
1200	12.98	39.82	22.89	18.97	10.81	0.99	23.81	12.21	6.47
1300	12.98	38.95	25.46	18.94	9.80	0.99	23.77	12.28	6.42
1400	12.97	38.26	27.81	18.72	9.08	0.99	23.67	12.30	6.37
1500	12.94	37.82	29.42	18.69	8.67	0.98	23.75	12.31	6.35
1600	12.92	37.26	29.05	18.34	8.13	0.98	23.65	12.28	6.38
1700	12.87	36.48	27.39	18.24	7.48	0.98	23.65	12.39	6.28
1800	12.81	36.18	25.72	18.23	7.27	0.98	23.66	12.34	6.28
1900	12.76	35.51	24.33	18.20	6.76	0.98	23.67	12.50	6.24
2000	12.68	35.07	22.92	18.21	6.48	0.99	23.73	12.46	6.23
2100	12.61	34.86	22.06	18.15	6.37	0.99	23.65	12.36	6.21
2200	12.54	34.79	21.29	18.08	6.36	0.99	23.60	12.40	6.19
2300	12.43	34.16	20.41	18.33	5.99	0.99	23.61	12.48	6.18
2400	12.33	33.83	19.82	18.64	5.83	0.99	23.54	12.62	6.19
2500	12.23	33.94	19.28	18.60	5.96	0.99	23.54	12.65	6.16
2600	12.10	33.63	18.79	19.22	5.84	1.00	23.58	12.53	6.18
2700	11.95	33.10	17.98	20.09	5.59	1.00	23.53	12.62	6.17
2800	11.81	33.38	17.89	20.41	5.87	1.00	23.43	12.59	6.23
2900	11.63	32.99	17.07	21.81	5.73	1.01	23.36	12.53	6.21
3000	11.50	32.27	16.55	22.14	5.35	1.01	23.39	12.58	6.19
3100	11.30	32.40	16.01	22.99	5.54	1.01	23.36	12.66	6.26
3200	11.04	32.89	15.31	24.40	6.01	1.02	22.88	12.53	6.27
3300	10.92	32.12	15.10	25.08	5.59	1.02	22.75	12.40	6.31
3400	10.71	31.98	14.43	26.49	5.60	1.03	22.96	12.51	6.36
3500	10.46	32.04	13.94	26.21	5.78	1.03	22.87	12.56	6.39
3600	10.26	31.68	13.40	26.44	5.64	1.04	22.66	12.55	6.41
3700	9.93	31.82	13.09	24.26	5.92	1.04	22.58	12.39	6.53
3800	9.73	31.94	12.29	24.25	6.07	1.05	22.52	12.51	6.58
3900	9.48	31.69	12.02	22.76	6.04	1.05	22.41	12.50	6.63
4000	9.14	32.27	11.10	21.79	6.59	1.07	22.45	11.97	6.72

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 = 87.01 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)
200	5.26	45.02	1.15	2.67	4.68	0.82	23.66	11.66	9.12
300	11.07	42.63	3.34	6.23	7.41	1.13	29.53	17.69	7.43
400	13.15	43.94	5.85	10.31	11.48	1.15	31.37	19.92	7.05
500	13.99	48.02	8.21	14.38	20.49	1.11	31.82	20.36	7.27
600	14.41	50.40	10.35	18.11	28.14	1.08	31.69	20.51	6.73
700	14.66	48.02	12.30	21.78	21.78	1.05	31.99	20.60	6.63
800	14.79	47.23	14.17	23.57	20.06	1.03	31.98	20.55	6.50
900	14.91	45.55	16.03	23.29	16.55	1.02	31.73	20.58	6.52
1000	14.98	43.96	17.86	22.41	13.77	1.01	31.65	20.39	6.45
1100	15.03	43.00	19.70	21.24	12.32	1.00	31.86	20.44	6.37
1200	15.07	42.03	21.38	20.01	10.98	0.99	31.75	20.43	6.33
1300	15.09	41.45	22.67	19.00	10.23	0.99	31.55	20.32	6.33
1400	15.11	40.42	23.13	18.27	9.06	0.99	31.29	20.17	6.26
1500	15.10	40.03	22.99	17.44	8.65	0.98	31.16	20.07	6.23
1600	15.12	39.18	22.35	16.79	7.79	0.98	31.18	20.11	6.28
1700	15.08	38.47	21.32	16.28	7.18	0.98	30.86	19.86	6.17
1800	15.05	38.03	20.35	15.78	6.82	0.98	30.75	19.77	6.15
1900	15.02	37.44	19.59	15.28	6.37	0.98	30.49	19.76	6.10
2000	14.95	37.02	18.72	14.85	6.08	0.98	30.61	19.56	6.11
2100	14.90	37.10	18.22	14.53	6.14	0.98	30.34	19.46	6.11
2200	14.85	36.70	17.77	14.10	5.87	0.97	30.25	19.48	6.07
2300	14.76	36.24	17.21	13.87	5.60	0.97	30.07	19.28	6.08
2400	14.66	35.82	16.84	13.67	5.38	0.97	30.11	19.31	6.05
2500	14.57	36.04	16.63	13.59	5.56	0.97	29.56	19.05	6.05
2600	14.46	35.78	16.44	13.51	5.46	0.97	29.60	18.91	6.05
2700	14.30	35.14	15.97	13.66	5.17	0.98	29.51	18.91	6.04
2800	14.17	35.59	16.20	13.80	5.54	0.98	29.26	18.70	6.06
2900	13.98	35.19	15.71	13.98	5.41	0.98	29.12	18.54	6.06
3000	13.86	34.50	15.48	13.93	5.06	0.98	28.98	18.32	6.02
3100	13.66	34.63	15.34	14.38	5.28	0.98	28.91	18.23	6.11
3200	13.38	35.45	14.89	15.26	6.01	0.99	28.38	18.04	6.11
3300	13.27	34.13	14.86	15.20	5.24	0.99	28.18	17.77	6.12
3400	13.05	34.06	14.47	15.68	5.34	1.00	28.27	17.74	6.19
3500	12.80	34.26	14.11	16.70	5.63	1.01	27.91	17.44	6.23
3600	12.59	34.05	13.72	16.99	5.62	1.01	27.75	17.43	6.27
3700	12.25	33.78	13.54	18.63	5.69	1.02	27.54	17.05	6.31
3800	12.03	34.29	12.68	19.12	6.13	1.03	27.43	17.03	6.36
3900	11.76	33.88	12.45	19.95	6.02	1.04	27.15	16.97	6.43
4000	11.39	34.88	11.46	21.35	6.95	1.06	27.09	16.50	6.52