

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 = 74.76 mA @ Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400	14.00	45.65	3.19	9.61	8.65	1.33	27.25	16.03	5.39
500	15.41	49.95	5.29	13.13	17.76	1.24	27.98	16.84	5.48
600	16.10	50.16	7.33	15.89	19.98	1.16	27.95	16.97	4.86
700	16.49	48.49	9.23	17.74	17.20	1.10	28.17	16.98	4.67
800	16.74	46.14	11.04	18.50	13.40	1.06	28.08	16.99	4.53
1000	17.02	44.07	14.44	18.42	10.70	1.02	27.92	17.07	4.46
1100	17.10	42.78	16.18	17.95	9.24	1.01	28.16	17.02	4.48
1200	17.16	41.94	17.91	17.46	8.38	1.00	28.14	17.02	4.50
1300	17.21	40.90	19.74	17.15	7.45	0.99	27.98	17.00	4.49
1400	17.25	39.97	21.45	16.62	6.67	0.98	27.74	16.81	4.41
1500	17.25	39.44	23.55	16.22	6.28	0.98	27.86	16.85	4.41
1600	17.25	38.80	25.65	15.86	5.84	0.97	27.63	16.79	4.47
1700	17.23	38.49	28.27	15.69	5.66	0.97	27.53	16.63	4.42
1800	17.20	38.22	31.99	15.45	5.50	0.96	27.26	16.56	4.52
1900	17.15	37.29	33.04	15.05	4.97	0.96	27.24	16.38	4.42
2000	17.08	36.97	36.46	14.93	4.82	0.96	27.23	16.46	4.49
2100	16.97	36.70	37.80	14.67	4.73	0.96	27.06	16.30	4.42
2200	16.89	36.72	38.37	14.52	4.78	0.95	27.07	16.32	4.45
2300	16.75	36.19	38.90	14.33	4.57	0.95	26.85	16.08	4.46
2400	16.60	35.84	38.16	14.39	4.46	0.95	26.71	15.97	4.53
2500	16.47	35.65	40.22	14.19	4.43	0.95	26.61	15.83	4.48
2600	16.23	35.61	38.50	14.12	4.53	0.95	26.47	15.70	4.48
2700	16.08	34.84	37.20	14.28	4.23	0.95	26.43	15.81	4.52
2800	15.77	35.44	31.78	14.34	4.68	0.95	26.26	15.47	4.53
2900	15.54	35.15	29.12	14.39	4.65	0.95	26.02	15.39	4.55
3000	15.26	34.71	25.90	14.96	4.58	0.96	25.98	15.08	4.59
3100	14.99	34.45	23.70	14.85	4.57	0.96	26.03	15.24	4.59
3200	14.67	34.73	21.66	14.65	4.87	0.96	25.42	14.86	4.58
3300	14.40	34.22	19.92	15.27	4.74	0.97	25.13	14.85	4.60
3400	14.10	34.03	18.62	15.20	4.79	0.97	25.24	14.67	4.65
3500	13.76	34.03	17.10	15.33	4.95	0.98	25.23	14.43	4.73
3600	13.36	34.26	15.78	15.17	5.28	0.99	25.00	14.38	4.81
3700	13.08	33.67	14.56	15.46	5.07	1.00	24.84	14.15	4.85
3800	12.76	33.20	13.91	15.26	4.95	1.00	24.72	14.00	4.88
3900	12.29	33.65	12.66	15.18	5.41	1.01	24.49	13.81	4.99
4000	12.03	33.70	11.87	15.46	5.55	1.03	24.52	13.77	5.02
4100	11.55	33.61	11.03	15.16	5.71	1.04	24.43	13.55	5.14
4200	11.14	33.90	10.08	15.01	6.06	1.06	24.20	13.28	5.29
4300	10.87	32.50	9.69	14.33	5.25	1.06	24.02	13.13	5.34
4400	10.60	33.71	8.96	14.92	6.10	1.08	24.06	12.95	5.42
4500	10.24	32.74	8.59	14.28	5.60	1.09	23.82	12.81	5.51
4600	9.90	32.15	8.17	13.84	5.34	1.09	23.82	12.83	5.61
4700	9.51	32.18	7.57	13.68	5.46	1.11	23.42	12.60	5.78
4800	9.18	33.24	7.21	13.78	6.28	1.13	23.38	12.42	5.85
4900	8.85	32.32	6.83	13.32	5.74	1.14	23.19	12.29	6.00
5000	8.52	33.14	6.53	13.49	6.43	1.16	23.21	12.23	6.12
5100	8.10	33.20	6.20	13.37	6.62	1.17	22.98	12.10	6.32
5200	7.77	32.33	5.96	13.21	6.12	1.18	22.82	11.79	6.46
5300	7.39	32.54	5.69	13.21	6.41	1.20	22.53	11.44	6.65
5400	6.85	32.55	5.55	13.38	6.77	1.21	22.57	11.25	6.93
5500	6.31	32.81	5.35	13.71	7.30	1.22	21.94	10.99	7.10



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 = 2.8V, Id =71.01 mA @ Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
400	12.93	47.94	3.36	9.69	13.37	1.31	21.59	9.98	5.48
500	14.17	51.04	5.48	12.20	23.40	1.21	22.63	10.98	5.63
600	14.75	49.40	7.53	13.22	21.11	1.12	22.82	11.23	4.95
700	15.06	47.55	9.41	13.41	17.74	1.07	23.23	11.37	4.76
800	15.24	44.59	11.16	13.22	12.87	1.03	23.28	11.48	4.59
1000	15.42	42.40	14.41	12.74	10.17	0.98	23.33	11.80	4.56
1100	15.46	41.47	16.01	12.48	9.18	0.97	23.63	11.78	4.59
1200	15.49	40.62	17.57	12.26	8.35	0.96	23.63	11.83	4.61
1300	15.49	39.79	19.18	12.14	7.62	0.95	23.58	11.82	4.56
1400	15.49	39.00	20.64	11.92	6.96	0.94	23.48	11.75	4.47
1500	15.47	38.55	22.33	11.78	6.64	0.94	23.54	11.86	4.47
1600	15.43	37.93	23.98	11.65	6.21	0.93	23.45	11.81	4.53
1700	15.38	37.37	25.75	11.62	5.87	0.93	23.46	11.84	4.49
1800	15.32	37.17	27.85	11.58	5.78	0.93	23.31	11.86	4.65
1900	15.25	36.37	28.91	11.41	5.31	0.92	23.42	11.82	4.50
2000	15.17	36.08	30.73	11.43	5.19	0.92	23.47	11.96	4.60
2100	15.05	35.54	32.10	11.34	4.94	0.92	23.34	11.93	4.52
2200	14.95	35.70	34.45	11.34	5.09	0.92	23.33	11.87	4.56
2300	14.81	35.35	34.09	11.27	4.97	0.92	23.27	11.91	4.60
2400	14.66	34.77	34.45	11.36	4.74	0.92	23.19	11.89	4.46
2500	14.53	34.63	33.88	11.33	4.73	0.92	23.23	12.05	4.59
2600	14.32	34.59	31.51	11.31	4.82	0.92	23.26	11.96	4.57
2700	14.17	33.63	31.62	11.46	4.41	0.92	23.18	12.11	4.62
2800	13.90	34.27	27.60	11.52	4.88	0.92	23.07	11.93	4.63
2900	13.69	33.92	25.78	11.58	4.81	0.92	22.96	11.98	4.70
3000	13.44	33.44	23.64	11.95	4.70	0.93	23.00	11.91	4.69
3100	13.20	33.12	22.06	11.90	4.64	0.93	23.06	12.05	4.71
3200	12.92	33.40	20.29	11.80	4.93	0.94	22.52	11.86	4.71
3300	12.68	32.88	18.95	12.16	4.78	0.94	22.28	11.94	4.73
3400	12.40	32.58	17.73	12.17	4.75	0.95	22.45	11.91	4.75
3500	12.10	32.59	16.48	12.23	4.89	0.95	22.55	11.78	4.85
3600	11.73	32.93	15.30	12.16	5.26	0.96	22.28	11.73	4.91
3700	11.48	32.45	14.17	12.30	5.09	0.97	22.18	11.65	4.99
3800	11.19	32.10	13.55	12.20	5.02	0.97	22.01	11.69	5.05
3900	10.76	32.39	12.41	12.17	5.38	0.99	21.90	11.42	5.12
4000	10.52	32.37	11.66	12.33	5.46	1.00	21.93	11.44	5.19
4100	10.10	32.37	10.89	12.19	5.65	1.01	21.94	11.26	5.28
4200	9.71	32.42	9.98	12.06	5.82	1.02	21.73	11.06	5.40
4300	9.45	31.21	9.58	11.57	5.13	1.02	21.57	10.93	5.48
4400	9.20	32.14	8.91	11.89	5.77	1.05	21.63	10.86	5.56
4500	8.86	31.41	8.53	11.49	5.42	1.05	21.40	10.79	5.60
4600	8.55	30.85	8.12	11.17	5.17	1.05	21.39	10.60	5.71
4700	8.18	30.89	7.54	11.07	5.28	1.07	21.00	10.39	5.91
4800	7.88	31.89	7.17	11.13	6.01	1.09	21.04	10.33	5.98
4900	7.56	31.00	6.82	10.77	5.50	1.09	20.82	10.39	6.14
5000	7.25	31.67	6.53	10.91	6.06	1.11	20.91	10.24	6.23
5100	6.87	31.68	6.21	10.80	6.19	1.12	20.62	10.12	6.43
5200	6.56	30.75	5.96	10.67	5.67	1.13	20.47	9.80	6.62
5300	6.20	30.79	5.69	10.70	5.82	1.14	20.20	9.62	6.70
5400	5.67	31.11	5.56	10.86	6.36	1.16	20.31	9.50	7.09
5500	5.15	31.30	5.37	11.18	6.81	1.18	19.51	9.22	7.25



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 = 5V, Id = 76.11 mA @ Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
400	14.44	44.40	3.11	9.30	6.88	1.33	29.87	17.91	5.37
500	15.95	48.39	5.20	13.00	13.76	1.24	30.92	18.74	5.42
600	16.72	50.02	7.25	16.56	18.30	1.16	31.20	19.03	4.85
700	17.16	50.00	9.17	20.22	19.07	1.11	31.22	19.05	4.66
800	17.46	47.17	10.99	23.82	14.02	1.08	31.29	19.05	4.54
1000	17.81	45.37	14.50	27.56	11.50	1.03	30.84	18.89	4.44
1100	17.92	43.54	16.32	26.14	9.32	1.02	30.81	18.78	4.49
1200	18.02	42.60	18.15	24.19	8.34	1.01	30.97	18.82	4.48
1300	18.09	41.87	20.10	23.00	7.64	1.00	30.64	18.65	4.49
1400	18.16	40.79	21.94	21.54	6.72	0.99	30.10	18.36	4.40
1500	18.19	40.11	24.19	20.37	6.19	0.99	30.12	18.34	4.38
1600	18.21	39.61	26.28	19.50	5.84	0.98	30.05	18.34	4.43
1700	18.22	39.52	28.87	18.83	5.76	0.98	29.59	18.00	4.40
1800	18.20	38.98	31.75	18.20	5.43	0.98	29.49	17.95	4.48
1900	18.17	38.16	31.93	17.61	4.95	0.97	29.28	17.63	4.42
2000	18.12	37.77	32.48	17.12	4.76	0.97	29.08	17.62	4.46
2100	18.01	37.45	32.14	16.75	4.63	0.97	28.80	17.52	4.44
2200	17.94	37.42	30.90	16.28	4.64	0.97	28.84	17.53	4.43
2300	17.80	37.29	32.21	16.06	4.65	0.97	28.55	17.22	4.44
2400	17.64	36.61	32.55	16.06	4.38	0.96	28.34	17.15	4.43
2500	17.50	36.54	34.42	15.68	4.41	0.96	27.98	16.85	4.52
2600	17.24	36.72	38.63	15.76	4.63	0.96	28.04	16.80	4.45
2700	17.07	35.65	37.72	15.81	4.19	0.96	28.00	16.85	4.49
2800	16.74	36.56	35.52	16.03	4.83	0.97	27.73	16.50	4.46
2900	16.48	36.11	31.39	16.13	4.72	0.97	27.47	16.39	4.53
3000	16.18	35.90	27.17	16.73	4.79	0.97	27.37	16.09	4.58
3100	15.87	35.47	24.32	16.77	4.71	0.97	27.40	16.12	4.57
3200	15.52	36.03	21.75	16.57	5.20	0.98	26.82	15.74	4.59
3300	15.22	35.27	19.92	17.42	4.94	0.98	26.55	15.82	4.58
3400	14.88	35.05	18.48	17.33	4.98	0.99	26.59	15.57	4.61
3500	14.51	35.05	16.85	17.66	5.17	0.99	26.46	15.31	4.68
3600	14.08	35.15	15.48	17.49	5.45	1.00	26.34	15.22	4.74
3700	13.76	34.83	14.21	17.91	5.40	1.01	26.12	15.07	4.80
3800	13.43	34.27	13.53	17.67	5.23	1.02	26.11	14.91	4.86
3900	12.92	34.89	12.28	17.79	5.86	1.03	25.76	14.57	4.92
4000	12.64	34.61	11.53	18.06	5.80	1.04	25.83	14.50	4.99
4100	12.13	34.58	10.68	17.69	6.02	1.06	25.74	14.31	5.12
4200	11.68	34.83	9.75	17.49	6.37	1.08	25.45	14.08	5.21
4300	11.39	33.44	9.36	16.64	5.54	1.08	25.33	13.93	5.29
4400	11.08	34.95	8.63	17.49	6.68	1.11	25.18	13.79	5.38
4500	10.70	33.85	8.26	16.61	6.05	1.11	25.02	13.67	5.49
4600	10.34	33.38	7.84	16.15	5.86	1.13	25.08	13.60	5.56
4700	9.93	33.31	7.25	15.96	5.93	1.15	24.67	13.42	5.72
4800	9.58	34.30	6.93	16.04	6.78	1.16	24.59	13.17	5.81
4900	9.22	33.57	6.56	15.50	6.34	1.18	24.42	13.17	5.97
5000	8.87	34.49	6.27	15.66	7.20	1.19	24.33	12.89	6.12
5100	8.42	34.30	5.95	15.58	7.23	1.21	24.13	12.89	6.31
5200	8.07	33.51	5.72	15.37	6.75	1.22	23.98	12.48	6.50
5300	7.68	33.75	5.45	15.29	7.08	1.24	23.72	12.31	6.66
5400	7.13	33.61	5.31	15.45	7.34	1.25	23.60	11.93	6.84
5500	6.59	33.98	5.12	15.78	8.00	1.26	23.22	11.80	7.11



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 =71.92 mA @ Temperature = -45degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
400	14.70	45.67	3.00	9.33	7.56	1.34	28.07	16.34	4.52
500	16.14	49.77	5.05	13.09	15.59	1.25	28.72	17.14	4.80
600	16.85	50.00	7.04	16.53	17.76	1.17	28.66	17.27	4.06
700	17.28	49.95	8.93	19.45	18.52	1.12	28.83	17.19	3.86
800	17.56	47.68	10.75	22.02	14.59	1.08	28.69	17.20	3.72
1000	17.89	44.73	14.19	23.33	10.53	1.03	28.62	17.26	3.67
1100	18.00	43.10	15.85	22.61	8.73	1.02	28.71	17.24	3.69
1200	18.08	42.24	17.40	21.71	7.90	1.01	28.62	17.19	3.68
1300	18.15	41.62	19.03	21.09	7.33	1.00	28.47	17.16	3.66
1400	18.21	40.55	20.48	20.01	6.45	0.99	28.33	16.99	3.60
1500	18.24	39.90	22.32	19.21	5.98	0.99	28.42	17.09	3.57
1600	18.25	39.37	24.05	18.48	5.62	0.98	28.09	17.05	3.61
1700	18.26	38.88	26.17	17.97	5.31	0.98	28.04	16.88	3.59
1800	18.27	38.70	29.41	17.56	5.20	0.98	27.82	16.81	3.73
1900	18.23	37.76	29.13	17.20	4.68	0.97	27.82	16.69	3.59
2000	18.20	37.52	30.17	16.85	4.58	0.97	27.70	16.77	3.61
2100	18.09	37.02	30.33	16.38	4.37	0.97	27.57	16.72	3.59
2200	18.06	37.18	33.50	15.83	4.45	0.96	27.47	16.64	3.60
2300	17.90	36.75	32.96	15.61	4.31	0.96	27.26	16.51	3.62
2400	17.77	36.29	33.72	15.50	4.15	0.96	27.12	16.41	3.63
2500	17.68	36.58	37.62	14.71	4.31	0.95	27.04	16.29	3.64
2600	17.44	35.95	35.00	15.08	4.14	0.96	26.97	16.20	3.64
2700	17.28	35.08	35.59	15.16	3.82	0.95	26.95	16.26	3.66
2800	16.99	35.50	31.01	15.66	4.15	0.96	26.73	16.00	3.66
2900	16.75	36.06	29.27	15.08	4.52	0.96	26.54	15.94	3.70
3000	16.48	35.12	26.09	16.16	4.22	0.97	26.56	15.69	3.73
3100	16.20	34.80	23.91	16.13	4.19	0.97	26.58	15.68	3.70
3200	15.88	35.33	21.69	15.89	4.60	0.97	25.98	15.42	3.74
3300	15.59	34.64	20.26	16.39	4.39	0.97	25.72	15.35	3.74
3400	15.25	34.78	18.63	16.37	4.62	0.98	25.85	15.12	3.76
3500	14.94	34.35	17.47	16.74	4.55	0.99	25.90	14.86	3.83
3600	14.50	34.89	16.00	16.72	5.04	0.99	25.68	14.76	3.90
3700	14.24	34.21	14.76	17.03	4.77	1.00	25.56	14.50	3.94
3800	13.88	33.56	14.03	16.53	4.58	1.00	25.42	14.42	4.02
3900	13.41	34.55	12.62	16.99	5.33	1.02	25.29	14.14	4.04
4000	13.15	34.06	11.93	17.05	5.14	1.03	25.28	14.02	4.12
4100	12.68	34.09	11.03	16.68	5.36	1.05	25.23	13.88	4.20
4200	12.24	34.63	9.99	16.66	5.86	1.07	24.97	13.57	4.29
4300	11.91	33.24	9.54	15.64	5.11	1.07	24.83	13.39	4.35
4400	11.69	34.24	8.92	16.31	5.77	1.09	24.83	13.14	4.41
4500	11.26	33.12	8.44	15.40	5.23	1.10	24.61	13.04	4.54
4600	10.98	32.85	8.05	15.13	5.15	1.11	24.51	12.79	4.61
4700	10.60	32.58	7.49	15.12	5.09	1.13	24.17	12.61	4.72
4800	10.28	33.56	7.09	15.29	5.78	1.15	24.13	12.47	4.78
4900	9.93	32.30	6.73	14.61	5.10	1.16	23.90	12.40	4.94
5000	9.63	33.47	6.50	14.77	5.93	1.17	23.94	12.25	5.09
5100	9.20	33.45	6.20	14.85	6.10	1.19	23.68	12.18	5.20
5200	8.92	32.73	5.95	14.88	5.71	1.20	23.55	11.72	5.36
5300	8.59	32.53	5.70	14.86	5.68	1.21	23.31	11.53	5.45
5400	8.09	32.47	5.45	15.35	5.86	1.23	23.41	11.29	5.69
5500	7.57	33.17	5.33	15.69	6.66	1.25	22.79	11.11	5.84



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 =69.66 mA @ Temperature = -45degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400	13.68	46.66	3.20	9.72	10.17	1.33	22.43	11.06	4.64
500	14.93	51.24	5.28	12.80	21.69	1.23	23.25	12.04	4.89
600	15.53	49.42	7.28	14.46	19.32	1.15	23.20	12.16	4.11
700	15.87	48.25	9.16	14.84	17.64	1.09	23.48	12.24	3.96
800	16.08	46.18	10.93	14.86	14.19	1.05	23.50	12.38	3.81
1000	16.31	43.18	14.22	14.39	10.21	1.00	23.52	12.61	3.75
1100	16.36	41.98	15.81	14.10	8.93	0.99	23.81	12.65	3.77
1200	16.40	41.13	17.25	13.85	8.11	0.98	23.79	12.62	3.78
1300	16.42	40.46	18.71	13.67	7.53	0.97	23.76	12.66	3.71
1400	16.44	39.52	20.01	13.35	6.74	0.96	23.65	12.56	3.65
1500	16.43	39.10	21.63	13.14	6.45	0.95	23.72	12.71	3.64
1600	16.42	38.28	23.18	12.89	5.88	0.95	23.56	12.60	3.73
1700	16.39	37.78	24.88	12.84	5.58	0.95	23.69	12.70	3.66
1800	16.35	37.78	27.27	12.88	5.61	0.94	23.52	12.63	3.81
1900	16.30	36.81	28.21	12.65	5.05	0.94	23.67	12.69	3.63
2000	16.23	36.36	30.06	12.62	4.84	0.94	23.73	12.85	3.71
2100	16.12	36.00	30.43	12.38	4.69	0.93	23.59	12.75	3.66
2200	16.05	36.35	32.80	12.30	4.91	0.93	23.48	12.68	3.72
2300	15.91	35.55	31.35	12.14	4.55	0.93	23.49	12.72	3.72
2400	15.78	35.08	31.59	12.17	4.38	0.93	23.40	12.69	3.64
2500	15.66	35.23	29.87	11.86	4.49	0.93	23.54	12.81	3.72
2600	15.45	34.73	29.13	12.08	4.36	0.93	23.54	12.82	3.71
2700	15.32	33.99	29.71	12.36	4.09	0.93	23.40	12.92	3.74
2800	15.06	34.33	26.57	12.50	4.38	0.94	23.35	12.75	3.72
2900	14.86	34.41	24.94	12.34	4.50	0.93	23.25	12.81	3.79
3000	14.61	33.90	23.02	12.90	4.40	0.94	23.36	12.82	3.76
3100	14.38	33.51	21.70	12.84	4.30	0.94	23.39	12.87	3.82
3200	14.11	33.68	20.26	12.57	4.49	0.94	22.89	12.71	3.84
3300	13.85	33.25	18.79	12.97	4.41	0.95	22.63	12.82	3.83
3400	13.56	33.18	17.63	12.90	4.51	0.96	22.80	12.63	3.86
3500	13.30	32.86	16.62	13.15	4.47	0.96	22.97	12.71	3.94
3600	12.91	33.57	15.44	13.14	5.03	0.97	22.67	12.48	3.98
3700	12.67	32.63	14.29	13.23	4.60	0.98	22.63	12.47	4.03
3800	12.36	32.22	13.69	12.96	4.51	0.98	22.42	12.36	4.08
3900	11.95	33.01	12.45	13.18	5.11	1.00	22.44	12.31	4.15
4000	11.70	32.66	11.74	13.28	5.01	1.01	22.44	12.25	4.28
4100	11.29	32.61	10.94	13.07	5.14	1.02	22.39	12.12	4.30
4200	10.88	33.14	9.99	13.04	5.60	1.04	22.22	11.99	4.43
4300	10.57	31.81	9.45	12.41	4.89	1.04	22.07	11.73	4.52
4400	10.35	32.24	8.97	12.63	5.19	1.06	22.17	11.67	4.56
4500	9.98	31.76	8.41	12.17	5.01	1.06	21.96	11.55	4.70
4600	9.70	31.28	8.06	11.97	4.82	1.07	21.85	11.51	4.71
4700	9.37	31.27	7.51	11.95	4.89	1.09	21.50	11.35	4.85
4800	9.08	31.95	7.16	12.01	5.36	1.10	21.58	11.24	4.96
4900	8.75	30.92	6.73	11.56	4.82	1.11	21.37	11.20	5.09
5000	8.49	31.71	6.55	11.65	5.37	1.12	21.43	11.05	5.14
5100	8.07	31.99	6.25	11.72	5.71	1.14	21.23	10.91	5.33
5200	7.83	31.06	5.96	11.68	5.18	1.15	21.09	10.69	5.51
5300	7.53	30.65	5.75	11.71	5.05	1.16	20.86	10.58	5.55
5400	7.04	31.20	5.47	12.12	5.58	1.19	21.05	10.30	5.88
5500	6.56	31.43	5.38	12.33	6.01	1.20	20.16	9.97	5.95

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 = 73 mA @ Temperature = -45degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
400	15.01	44.66	2.93	9.11	6.31	1.34	30.71	17.70	4.51
500	16.50	48.31	4.97	12.82	12.46	1.26	31.65	18.63	4.78
600	17.27	50.52	6.97	16.41	17.88	1.18	32.11	19.02	4.06
700	17.73	50.68	8.89	20.06	19.13	1.12	32.32	19.02	3.86
800	18.04	48.46	10.74	24.55	15.14	1.08	32.12	19.00	3.74
1000	18.43	45.33	14.26	31.66	10.66	1.04	31.70	18.84	3.63
1100	18.56	44.06	15.99	29.31	9.19	1.02	31.43	18.68	3.66
1200	18.67	42.66	17.62	26.51	7.79	1.01	31.51	18.75	3.67
1300	18.76	42.24	19.30	24.72	7.38	1.00	31.14	18.58	3.67
1400	18.85	41.09	20.84	22.76	6.42	1.00	30.83	18.27	3.56
1500	18.90	40.64	22.78	21.33	6.06	0.99	30.68	18.21	3.55
1600	18.94	40.19	24.48	20.21	5.73	0.99	30.59	18.27	3.62
1700	18.97	39.58	26.44	19.30	5.33	0.98	30.10	17.80	3.59
1800	19.00	39.27	29.00	18.50	5.12	0.98	29.93	17.72	3.70
1900	18.97	38.38	28.25	18.23	4.64	0.98	29.61	17.38	3.58
2000	18.95	38.11	28.51	17.61	4.50	0.97	29.51	17.46	3.59
2100	18.86	37.54	28.66	17.15	4.26	0.97	29.33	17.38	3.58
2200	18.83	37.50	30.04	16.37	4.24	0.97	29.36	17.48	3.58
2300	18.68	37.20	31.02	16.16	4.17	0.96	29.05	17.13	3.60
2400	18.54	37.00	31.90	16.01	4.14	0.96	28.77	17.05	3.56
2500	18.43	37.15	37.61	15.16	4.24	0.96	28.38	16.70	3.61
2600	18.17	36.60	37.43	15.53	4.11	0.96	28.47	16.66	3.59
2700	18.00	35.67	37.48	15.63	3.78	0.96	28.35	16.82	3.61
2800	17.68	36.22	34.38	16.16	4.18	0.96	28.11	16.43	3.63
2900	17.42	36.98	30.56	15.68	4.67	0.96	27.93	16.38	3.65
3000	17.12	35.87	27.11	16.69	4.29	0.97	27.71	16.06	3.69
3100	16.81	35.60	24.28	16.82	4.30	0.97	27.80	16.20	3.69
3200	16.45	36.14	21.48	16.65	4.74	0.97	27.23	15.80	3.68
3300	16.14	35.46	19.95	17.26	4.54	0.98	26.96	15.84	3.71
3400	15.77	35.42	18.26	17.20	4.70	0.98	27.01	15.51	3.71
3500	15.43	35.07	16.99	17.66	4.68	0.99	26.93	15.27	3.79
3600	14.99	35.43	15.53	17.61	5.08	1.00	26.80	15.21	3.83
3700	14.67	35.18	14.26	18.08	5.08	1.01	26.59	14.99	3.88
3800	14.29	34.38	13.48	17.51	4.80	1.01	26.47	14.92	3.96
3900	13.80	35.31	12.13	18.19	5.55	1.04	26.23	14.66	4.01
4000	13.52	34.59	11.45	18.13	5.23	1.04	26.25	14.56	4.09
4100	13.02	34.60	10.57	17.68	5.44	1.06	26.22	14.32	4.17
4200	12.54	35.34	9.59	17.72	6.10	1.08	25.88	14.14	4.27
4300	12.19	33.79	9.14	16.58	5.23	1.09	25.78	13.92	4.35
4400	11.92	35.09	8.51	17.41	6.14	1.11	25.63	13.72	4.40
4500	11.48	33.88	8.06	16.38	5.51	1.12	25.46	13.63	4.52
4600	11.16	33.66	7.66	16.17	5.47	1.13	25.44	13.52	4.56
4700	10.77	33.36	7.12	16.18	5.38	1.15	25.10	13.38	4.72
4800	10.43	34.62	6.75	16.27	6.32	1.17	25.05	13.18	4.80
4900	10.05	33.11	6.39	15.61	5.43	1.18	24.81	13.11	4.94
5000	9.74	34.19	6.17	15.76	6.26	1.20	24.78	12.93	5.04
5100	9.28	34.09	5.89	15.88	6.39	1.21	24.56	12.89	5.18
5200	8.97	33.67	5.64	15.98	6.19	1.23	24.37	12.43	5.41
5300	8.64	33.44	5.38	15.90	6.12	1.24	24.12	12.34	5.44
5400	8.13	33.34	5.14	16.50	6.29	1.27	24.10	12.03	5.68
5500	7.61	33.94	5.02	16.89	7.05	1.28	23.64	11.73	5.82

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 = 75.18mA @ Temperature = +85degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
400	13.62	45.36	3.29	9.55	8.93	1.32	27.16	15.68	5.82
500	15.04	49.01	5.35	13.04	16.70	1.23	27.86	16.57	5.72
600	15.76	49.78	7.39	15.77	19.94	1.15	27.96	16.68	5.29
700	16.16	48.55	9.34	17.61	18.04	1.10	28.20	16.67	5.11
800	16.41	46.19	11.22	18.54	14.03	1.06	28.20	16.73	4.97
1000	16.69	43.68	14.75	18.53	10.65	1.02	27.94	16.81	4.91
1100	16.77	42.39	16.61	18.04	9.21	1.00	28.17	16.81	4.96
1200	16.83	41.40	18.53	17.58	8.22	0.99	28.16	16.79	4.92
1300	16.86	40.80	20.61	17.27	7.67	0.99	28.00	16.73	4.93
1400	16.90	39.60	22.58	16.76	6.67	0.98	27.71	16.59	4.85
1500	16.89	39.38	25.05	16.32	6.51	0.98	27.78	16.65	4.83
1600	16.88	38.68	27.55	15.95	6.02	0.97	27.65	16.62	4.88
1700	16.85	38.17	30.89	15.73	5.70	0.97	27.46	16.51	4.86
1800	16.81	37.94	36.01	15.44	5.57	0.96	27.24	16.38	4.97
1900	16.74	37.42	38.37	15.05	5.28	0.96	27.23	16.18	4.87
2000	16.67	37.17	48.80	14.80	5.17	0.96	27.19	16.28	4.92
2100	16.55	36.57	48.55	14.59	4.89	0.96	26.97	16.15	4.91
2200	16.45	36.28	38.12	14.39	4.78	0.95	26.98	16.08	4.90
2300	16.29	36.17	40.77	14.17	4.79	0.95	26.70	15.92	4.92
2400	16.14	35.74	40.43	14.17	4.65	0.95	26.53	15.75	4.72
2500	15.99	35.61	39.47	13.96	4.65	0.95	26.45	15.68	4.93
2600	15.76	35.70	46.03	13.93	4.82	0.95	26.39	15.50	4.94
2700	15.58	34.57	50.00	14.05	4.33	0.95	26.25	15.58	4.97
2800	15.28	35.38	35.27	14.11	4.91	0.95	26.03	15.22	4.98
2900	15.02	35.50	30.89	14.20	5.13	0.95	25.83	15.14	5.02
3000	14.76	34.67	27.80	14.75	4.82	0.96	25.76	14.91	5.05
3100	14.49	34.46	24.99	14.72	4.85	0.96	25.79	14.87	5.06
3200	14.17	34.79	22.37	14.51	5.20	0.96	25.20	14.64	5.07
3300	13.89	34.36	20.45	15.29	5.12	0.97	24.94	14.62	5.08
3400	13.61	33.82	19.08	15.32	4.96	0.97	25.02	14.32	5.08
3500	13.25	34.09	17.35	15.44	5.30	0.98	24.97	14.21	5.21
3600	12.87	34.22	15.82	15.45	5.57	0.99	24.75	14.14	5.25
3700	12.56	33.82	14.57	15.67	5.47	1.00	24.60	13.95	5.33
3800	12.24	33.34	13.80	15.57	5.34	1.00	24.47	13.80	5.38
3900	11.79	33.82	12.57	15.51	5.85	1.02	24.16	13.56	5.46
4000	11.51	33.48	11.76	15.81	5.75	1.03	24.25	13.44	5.53
4100	11.05	33.63	10.85	15.49	6.06	1.04	24.16	13.24	5.62
4200	10.67	33.54	10.00	15.30	6.13	1.06	23.90	12.96	5.77
4300	10.37	32.75	9.44	14.73	5.70	1.07	23.80	12.85	5.85
4400	10.02	34.03	8.69	15.13	6.71	1.09	23.76	12.69	5.97
4500	9.72	33.07	8.31	14.60	6.11	1.10	23.53	12.58	6.02
4600	9.35	32.53	7.90	13.93	5.87	1.10	23.54	12.56	6.14
4700	8.94	32.51	7.36	13.76	5.98	1.12	23.13	12.25	6.31
4800	8.60	33.24	7.00	13.68	6.62	1.14	23.11	12.07	6.41
4900	8.24	32.33	6.53	13.27	6.03	1.15	22.89	12.06	6.60
5000	7.93	33.35	6.30	13.35	6.93	1.17	22.89	11.86	6.70
5100	7.50	33.56	6.01	13.19	7.28	1.18	22.64	11.73	6.94
5200	7.13	32.54	5.79	12.89	6.63	1.19	22.48	11.42	7.10
5300	6.76	32.15	5.46	12.97	6.46	1.20	22.17	11.11	7.25
5400	6.26	33.15	5.41	13.14	7.63	1.21	22.13	10.81	7.47
5500	5.67	32.69	5.37	13.14	7.71	1.22	21.67	10.75	7.72



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 = 2.8V, Id = 71.66 mA @ Temperature = +85degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
400	12.57	46.76	3.47	9.60	12.36	1.30	21.14	9.51	5.95
500	13.83	51.06	5.54	12.18	24.52	1.20	22.27	10.47	5.85
600	14.43	48.92	7.56	13.31	20.75	1.12	22.47	10.74	5.39
700	14.76	47.18	9.47	13.61	17.69	1.07	22.89	10.93	5.22
800	14.95	44.84	11.27	13.56	13.79	1.03	22.96	11.10	5.04
1000	15.14	42.40	14.57	13.17	10.59	0.99	23.00	11.36	5.00
1100	15.17	41.38	16.22	12.91	9.46	0.97	23.33	11.34	5.03
1200	15.19	40.44	17.88	12.71	8.52	0.96	23.37	11.34	5.02
1300	15.20	40.15	19.55	12.59	8.27	0.95	23.29	11.44	5.03
1400	15.20	39.07	21.10	12.36	7.32	0.95	23.17	11.29	4.95
1500	15.16	38.48	22.81	12.21	6.88	0.94	23.27	11.48	4.92
1600	15.12	37.83	24.46	12.06	6.42	0.94	23.17	11.41	4.99
1700	15.06	37.45	26.14	12.02	6.18	0.93	23.20	11.40	4.94
1800	14.99	37.20	27.77	11.94	6.06	0.93	23.04	11.42	5.11
1900	14.91	36.35	28.65	11.74	5.54	0.93	23.14	11.45	4.95
2000	14.81	36.07	29.84	11.71	5.43	0.93	23.15	11.57	5.03
2100	14.69	35.68	30.60	11.61	5.26	0.92	23.10	11.46	4.98
2200	14.58	35.48	31.40	11.60	5.21	0.92	23.11	11.50	5.02
2300	14.42	35.10	31.46	11.51	5.07	0.92	23.01	11.51	5.05
2400	14.27	34.69	31.78	11.55	4.92	0.92	22.93	11.48	4.91
2500	14.13	34.58	31.43	11.50	4.95	0.92	23.02	11.71	5.86
2600	13.92	34.58	30.54	11.51	5.06	0.92	23.01	11.61	5.05
2700	13.75	33.77	31.31	11.64	4.72	0.92	22.95	11.66	5.11
2800	13.49	34.24	27.97	11.70	5.12	0.93	22.86	11.55	5.14
2900	13.25	34.23	26.05	11.78	5.26	0.93	22.79	11.70	5.14
3000	13.02	33.46	24.38	12.19	4.97	0.93	22.78	11.61	5.15
3100	12.77	33.16	22.74	12.17	4.93	0.94	22.87	11.63	5.19
3200	12.49	33.44	20.77	12.05	5.23	0.94	22.34	11.52	5.18
3300	12.23	32.99	19.25	12.54	5.13	0.95	22.12	11.60	5.19
3400	11.98	32.51	18.07	12.60	4.98	0.95	22.31	11.53	5.26
3500	11.66	32.62	16.64	12.65	5.20	0.96	22.38	11.54	5.35
3600	11.31	32.80	15.29	12.68	5.48	0.97	22.13	11.39	5.42
3700	11.03	32.38	14.17	12.78	5.36	0.98	22.08	11.26	5.50
3800	10.74	32.22	13.44	12.71	5.40	0.98	21.91	11.28	5.53
3900	10.33	32.48	12.32	12.69	5.74	1.00	21.74	11.03	5.63
4000	10.07	32.35	11.55	12.83	5.77	1.01	21.82	11.16	5.70
4100	9.65	32.40	10.70	12.69	5.99	1.02	21.82	11.11	5.82
4200	9.31	32.36	9.90	12.52	6.07	1.03	21.57	10.86	5.95
4300	9.03	31.51	9.34	12.08	5.57	1.04	21.43	10.72	6.03
4400	8.70	32.54	8.64	12.27	6.38	1.06	21.49	10.66	6.11
4500	8.41	31.80	8.27	11.91	5.95	1.07	21.26	10.46	6.18
4600	8.06	31.20	7.88	11.44	5.65	1.07	21.27	10.46	6.29
4700	7.68	31.32	7.35	11.32	5.84	1.08	20.88	10.28	6.48
4800	7.37	31.85	7.00	11.22	6.30	1.10	20.90	10.06	6.60
4900	7.03	31.04	6.56	10.91	5.80	1.11	20.67	10.05	6.77
5000	6.73	31.92	6.33	10.98	6.54	1.12	20.77	9.92	6.83
5100	6.34	32.06	6.03	10.86	6.79	1.13	20.48	10.00	7.13
5200	5.98	31.19	5.84	10.67	6.30	1.14	20.33	9.58	7.30
5300	5.62	30.62	5.49	10.68	6.00	1.15	20.05	9.36	7.34
5400	5.14	31.49	5.44	10.89	6.98	1.16	20.10	9.09	7.76
5500	4.56	31.17	5.42	10.99	7.18	1.17	19.50	8.84	7.91



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 = 5V, Id = 77.35 mA @ Temperature = +85degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
400	14.07	44.90	3.23	9.26	7.82	1.31	29.82	17.81	5.81
500	15.59	48.44	5.26	12.92	14.52	1.24	30.67	18.75	5.72
600	16.38	50.75	7.29	16.48	20.75	1.16	30.98	19.03	5.28
700	16.84	49.15	9.26	20.30	18.01	1.11	31.07	19.05	5.08
800	17.13	47.58	11.16	24.51	15.31	1.07	30.88	19.03	4.95
1000	17.49	44.63	14.77	29.16	11.00	1.03	30.69	18.96	4.90
1100	17.59	43.33	16.71	27.14	9.48	1.02	30.68	18.85	4.91
1200	17.68	42.66	18.74	24.79	8.74	1.01	30.72	18.87	4.90
1300	17.75	41.90	20.92	23.27	7.99	1.00	30.42	18.71	4.90
1400	17.81	40.78	23.04	21.86	6.99	0.99	30.10	18.44	4.84
1500	17.83	40.25	25.69	20.65	6.57	0.99	29.90	18.41	4.81
1600	17.84	39.35	28.29	19.75	5.92	0.98	30.01	18.37	4.87
1700	17.84	39.19	31.53	19.02	5.80	0.98	29.45	18.03	4.81
1800	17.81	38.90	35.59	18.27	5.62	0.98	29.28	17.99	4.91
1900	17.76	38.06	35.70	17.73	5.13	0.97	29.13	17.66	4.84
2000	17.71	37.92	35.89	16.99	5.07	0.97	28.94	17.68	4.87
2100	17.59	37.36	34.53	16.73	4.82	0.97	28.79	17.52	4.88
2200	17.50	37.08	31.60	16.22	4.70	0.97	28.68	17.50	4.86
2300	17.34	36.90	33.17	15.97	4.68	0.96	28.42	17.25	4.87
2400	17.18	36.47	33.16	15.85	4.54	0.96	28.21	17.10	4.88
2500	17.02	36.49	33.38	15.54	4.62	0.96	27.90	16.80	4.88
2600	16.77	36.68	38.24	15.56	4.86	0.96	27.88	16.74	4.89
2700	16.57	35.61	38.04	15.52	4.40	0.96	27.83	16.74	4.93
2800	16.25	36.53	39.04	15.76	5.08	0.96	27.54	16.37	4.89
2900	15.95	36.57	32.37	15.95	5.28	0.97	27.28	16.29	4.97
3000	15.67	35.99	28.93	16.49	5.12	0.97	27.18	16.02	5.00
3100	15.36	35.70	25.66	16.55	5.12	0.97	27.26	16.04	5.01
3200	15.01	35.99	22.42	16.35	5.48	0.97	26.61	15.66	5.03
3300	14.70	35.48	20.51	17.41	5.37	0.98	26.46	15.76	5.02
3400	14.39	35.01	19.05	17.40	5.26	0.98	26.51	15.46	5.05
3500	14.00	35.27	17.21	17.77	5.63	0.99	26.34	15.16	5.16
3600	13.59	35.37	15.59	17.90	5.93	1.00	26.18	15.19	5.19
3700	13.25	35.05	14.33	18.26	5.89	1.01	26.03	14.85	5.28
3800	12.91	34.68	13.55	18.19	5.83	1.02	25.97	14.74	5.33
3900	12.42	35.00	12.27	18.42	6.29	1.04	25.65	14.54	5.42
4000	12.13	34.77	11.50	18.75	6.26	1.05	25.73	14.44	5.46
4100	11.62	34.76	10.58	18.36	6.51	1.06	25.55	14.17	5.60
4200	11.22	34.80	9.74	18.21	6.70	1.08	25.33	13.93	5.72
4300	10.90	33.89	9.18	17.51	6.16	1.09	25.23	13.87	5.79
4400	10.53	35.17	8.45	18.22	7.27	1.12	25.11	13.58	5.92
4500	10.21	34.38	8.07	17.47	6.77	1.13	24.91	13.60	6.02
4600	9.81	33.69	7.68	16.57	6.41	1.14	24.99	13.46	6.09
4700	9.39	33.63	7.13	16.39	6.50	1.16	24.61	13.28	6.28
4800	9.03	34.41	6.80	16.25	7.25	1.17	24.51	13.07	6.40
4900	8.65	33.46	6.34	15.79	6.59	1.19	24.29	13.04	6.57
5000	8.32	34.53	6.12	15.85	7.62	1.20	24.19	12.78	6.71
5100	7.87	34.99	5.84	15.60	8.26	1.22	24.01	12.69	6.88
5200	7.49	33.98	5.62	15.15	7.53	1.22	23.88	12.45	7.08
5300	7.11	33.52	5.31	15.27	7.28	1.24	23.53	12.16	7.27
5400	6.59	34.45	5.26	15.33	8.54	1.25	23.48	12.02	7.49
5500	6.00	34.05	5.22	15.15	8.68	1.25	23.22	11.68	7.73

