

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: VDD = +5.75V, Id = 64mA @ Temperature = +25°C

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)
10	20.46	27.17	9.18	14.25	1.15	0.87	25.43	19.41	8.92
100	22.20	25.13	22.46	21.95	1.05	0.50	30.65	22.45	1.37
200	22.28	25.07	23.42	23.85	1.04	0.48	28.68	22.50	1.06
300	22.29	25.08	23.27	24.74	1.05	0.49	29.17	22.55	1.02
400	22.29	25.15	22.98	25.12	1.05	0.50	27.58	22.54	0.97
500	22.29	25.19	22.58	25.57	1.05	0.50	29.99	22.55	0.96
1000	22.28	25.22	19.66	27.67	1.05	0.52	29.94	22.67	0.94
1200	22.28	25.25	18.42	27.51	1.05	0.52	31.22	22.78	0.96
1400	22.27	25.35	17.29	26.20	1.06	0.54	29.62	22.80	0.91
1600	22.26	25.42	16.20	24.55	1.06	0.55	29.97	22.83	0.94
1800	22.25	25.45	15.30	22.84	1.06	0.55	31.54	22.80	0.96
2000	22.23	25.55	14.44	21.32	1.06	0.57	32.31	22.68	0.97
2200	22.21	25.62	13.69	20.06	1.07	0.58	33.26	22.75	0.93
2400	22.18	25.67	13.06	19.05	1.07	0.58	29.73	22.78	1.07
2600	22.17	25.86	12.58	18.29	1.08	0.60	28.43	22.65	0.98
2800	22.16	25.88	12.19	17.80	1.08	0.61	30.87	22.38	1.05
3000	22.16	25.94	11.94	17.47	1.08	0.62	29.72	22.10	0.99
3200	22.16	26.04	11.74	17.30	1.08	0.63	28.81	21.77	1.06
3400	22.16	26.12	11.63	17.22	1.09	0.64	28.42	21.40	1.04
3600	22.16	26.20	11.60	17.21	1.09	0.64	28.39	21.13	1.06
3800	22.18	26.24	11.60	17.36	1.09	0.65	28.66	21.56	1.05
4000	22.20	26.27	11.70	17.64	1.09	0.65	29.25	21.51	1.16
4200	22.22	26.35	11.87	18.05	1.10	0.66	30.11	21.70	1.14
4400	22.24	26.42	12.10	18.50	1.10	0.67	28.80	21.74	1.19
4600	22.27	26.45	12.36	19.04	1.10	0.67	29.16	21.61	1.14
4800	22.32	26.55	12.67	19.61	1.11	0.68	29.37	21.83	1.19
5000	22.37	26.55	13.02	20.26	1.11	0.68	30.08	21.69	1.21
5200	22.43	26.66	13.44	20.86	1.12	0.69	28.61	21.57	1.22
5400	22.48	26.67	13.87	21.44	1.12	0.68	29.58	21.33	1.27
5600	22.55	26.67	14.42	21.98	1.12	0.68	28.42	21.15	1.23
5800	22.61	26.80	15.06	22.61	1.12	0.69	29.99	21.12	1.22
6000	22.66	26.85	15.80	23.09	1.13	0.69	28.20	21.28	1.22
6200	22.73	26.92	16.75	23.01	1.13	0.69	28.94	21.09	1.10
6400	22.77	26.98	17.74	22.66	1.14	0.69	29.82	21.04	1.20
6600	22.81	27.06	19.02	21.83	1.15	0.69	30.01	21.24	1.14
6800	22.86	27.19	20.71	20.64	1.16	0.70	29.50	21.05	1.15
7000	22.91	27.25	22.82	19.57	1.16	0.70	28.62	20.90	1.17
7200	22.94	27.35	24.91	18.68	1.17	0.70	29.79	20.90	1.14
7400	22.94	27.41	26.72	17.99	1.18	0.70	28.14	20.60	1.16
7600	22.93	27.57	26.69	17.33	1.20	0.71	30.13	20.20	1.15
7800	22.92	27.73	25.02	16.70	1.22	0.72	28.81	20.10	1.19
8000	22.89	27.96	23.01	16.34	1.25	0.74	29.42	19.59	1.23
8200	22.84	28.11	20.99	16.14	1.27	0.75	28.14	19.10	1.23
8400	22.78	28.34	19.42	16.02	1.30	0.77	28.40	18.78	1.23
8600	22.70	28.59	18.18	16.27	1.34	0.79	27.50	18.22	1.25
8800	22.59	28.83	17.09	16.71	1.39	0.82	27.89	18.12	1.33
9000	22.46	29.19	16.24	17.37	1.45	0.84	28.51	18.14	1.45
9200	22.31	29.42	15.50	18.23	1.51	0.87	28.63	17.44	1.59
9400	22.13	29.81	14.75	19.22	1.60	0.89	27.39	17.01	1.65
9600	21.89	30.15	14.06	20.07	1.69	0.92	28.06	16.83	1.83
9800	21.59	30.58	13.41	20.21	1.80	0.94	26.04	16.17	2.00
10000	21.25	31.03	12.70	19.46	1.94	0.96	27.73	16.12	2.14

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: VDD = +6V, Id = 73mA @ Temperature = +25°C

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)
10	20.89	27.66	9.92	14.72	1.16	0.87	24.88	19.95	8.89
100	22.53	25.52	26.78	19.12	1.05	0.49	32.71	22.79	1.40
200	22.61	25.47	28.52	20.23	1.05	0.48	32.00	22.83	1.07
300	22.62	25.39	28.32	20.81	1.04	0.47	28.43	22.87	1.00
400	22.62	25.46	27.58	21.06	1.05	0.49	30.39	22.86	0.96
500	22.62	25.45	26.99	21.32	1.05	0.49	30.91	22.87	0.96
1000	22.63	25.58	22.54	23.32	1.05	0.51	33.73	22.92	0.90
1200	22.63	25.59	20.87	24.16	1.05	0.52	33.97	23.00	0.92
1400	22.63	25.62	19.43	24.41	1.06	0.52	30.98	23.00	0.89
1600	22.62	25.68	18.05	24.10	1.06	0.54	32.38	22.95	0.94
1800	22.61	25.75	16.93	23.22	1.06	0.55	31.99	22.92	0.98
2000	22.60	25.84	15.88	22.03	1.06	0.56	33.50	22.86	0.96
2200	22.59	25.88	14.99	20.91	1.06	0.57	32.07	22.94	1.00
2400	22.57	25.97	14.25	19.87	1.07	0.58	28.97	22.79	0.99
2600	22.55	26.10	13.68	19.10	1.07	0.59	29.22	22.50	0.97
2800	22.55	26.16	13.24	18.54	1.07	0.60	31.43	22.36	1.03
3000	22.54	26.25	12.94	18.14	1.08	0.61	31.52	21.92	0.99
3200	22.54	26.29	12.70	17.92	1.08	0.61	29.87	21.69	1.06
3400	22.54	26.34	12.57	17.77	1.08	0.62	30.20	21.49	1.04
3600	22.53	26.47	12.53	17.70	1.09	0.63	31.03	21.37	1.03
3800	22.54	26.52	12.52	17.77	1.09	0.64	29.60	21.90	1.11
4000	22.55	26.60	12.64	17.97	1.09	0.65	31.64	21.79	1.13
4200	22.56	26.64	12.81	18.27	1.10	0.66	30.33	21.91	1.08
4400	22.57	26.66	13.07	18.59	1.10	0.66	30.28	21.97	1.14
4600	22.60	26.76	13.34	19.01	1.11	0.67	30.77	21.83	1.15
4800	22.63	26.76	13.69	19.35	1.11	0.67	30.89	22.05	1.21
5000	22.68	26.87	14.07	19.72	1.11	0.68	29.24	21.93	1.16
5200	22.72	26.91	14.51	20.03	1.11	0.68	29.97	21.86	1.23
5400	22.77	26.95	14.99	20.26	1.12	0.68	29.29	21.62	1.16
5600	22.82	26.99	15.59	20.43	1.12	0.68	29.23	21.43	1.22
5800	22.87	27.12	16.29	20.59	1.13	0.69	28.08	21.43	1.19
6000	22.91	27.15	17.12	20.67	1.13	0.69	28.84	21.59	1.16
6200	22.96	27.21	18.22	20.40	1.14	0.69	29.49	21.42	1.13
6400	23.00	27.29	19.35	20.07	1.14	0.69	28.29	21.37	1.15
6600	23.03	27.33	20.91	19.43	1.15	0.69	31.02	21.56	1.20
6800	23.07	27.42	23.06	18.62	1.16	0.69	31.03	21.38	1.14
7000	23.10	27.52	26.02	17.86	1.17	0.69	28.56	21.24	1.09
7200	23.13	27.58	29.47	17.22	1.17	0.69	29.56	21.23	1.14
7400	23.12	27.73	32.61	16.76	1.19	0.70	28.31	20.95	1.17
7600	23.10	27.88	30.41	16.31	1.21	0.71	30.40	20.55	1.11
7800	23.08	28.05	26.39	15.83	1.23	0.72	28.20	20.47	1.21
8000	23.05	28.21	23.62	15.56	1.25	0.74	29.02	19.97	1.19
8200	23.00	28.41	21.35	15.43	1.28	0.75	27.16	19.46	1.17
8400	22.94	28.65	19.60	15.34	1.32	0.77	27.01	19.14	1.20
8600	22.85	28.86	18.37	15.61	1.35	0.79	27.92	18.58	1.24
8800	22.75	29.19	17.29	16.02	1.41	0.82	27.46	18.48	1.36
9000	22.63	29.47	16.42	16.61	1.47	0.84	27.06	18.51	1.41
9200	22.49	29.74	15.72	17.39	1.53	0.86	26.86	17.80	1.56
9400	22.31	30.04	14.99	18.35	1.60	0.89	26.79	17.37	1.73
9600	22.09	30.44	14.31	19.15	1.70	0.91	27.46	17.19	1.83
9800	21.81	30.88	13.66	19.56	1.82	0.94	25.57	16.53	1.92
10000	21.48	31.29	12.98	19.18	1.95	0.96	26.56	16.48	2.13

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: VDD = +6.25V, Id = 82mA @ Temperature = +25°C

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)
10	21.19	27.68	10.44	14.65	1.14	0.86	29.15	20.47	8.86
100	22.77	25.75	31.56	17.49	1.05	0.48	32.57	23.19	1.39
200	22.84	25.71	34.55	18.33	1.05	0.47	29.47	23.25	1.04
300	22.85	25.68	34.35	18.78	1.04	0.47	30.81	23.28	1.01
400	22.86	25.67	33.07	19.02	1.04	0.47	31.73	23.27	0.99
500	22.86	25.68	32.09	19.15	1.05	0.48	30.72	23.27	0.93
1000	22.87	25.77	25.40	20.85	1.05	0.50	35.34	23.30	0.92
1200	22.88	25.81	23.22	21.68	1.05	0.51	32.63	23.34	0.95
1400	22.88	25.86	21.35	22.22	1.06	0.52	32.51	23.32	0.92
1600	22.88	25.94	19.69	22.43	1.06	0.53	30.94	23.26	0.92
1800	22.87	25.97	18.33	22.16	1.06	0.54	30.77	23.24	0.94
2000	22.87	26.03	17.14	21.55	1.06	0.55	31.18	23.18	0.97
2200	22.85	26.15	16.10	20.74	1.07	0.56	34.08	23.28	0.97
2400	22.84	26.20	15.24	19.89	1.07	0.57	31.38	23.04	1.00
2600	22.82	26.25	14.61	19.16	1.07	0.58	29.96	22.77	0.97
2800	22.82	26.34	14.08	18.63	1.07	0.59	29.95	22.70	1.03
3000	22.81	26.40	13.73	18.20	1.07	0.60	30.20	22.28	1.01
3200	22.81	26.49	13.48	17.98	1.08	0.61	31.69	22.12	0.99
3400	22.80	26.55	13.33	17.78	1.08	0.61	30.03	22.05	1.06
3600	22.79	26.60	13.27	17.66	1.08	0.62	30.66	22.03	1.05
3800	22.80	26.67	13.27	17.68	1.09	0.63	30.11	22.49	1.11
4000	22.80	26.76	13.38	17.79	1.09	0.64	31.10	22.43	1.09
4200	22.81	26.85	13.54	18.00	1.10	0.65	31.04	22.55	1.11
4400	22.81	26.86	13.83	18.20	1.10	0.65	29.49	22.49	1.13
4600	22.83	26.92	14.11	18.47	1.10	0.66	29.56	22.34	1.12
4800	22.86	26.98	14.47	18.69	1.11	0.66	30.55	22.51	1.20
5000	22.89	27.07	14.88	18.89	1.11	0.67	30.80	22.34	1.17
5200	22.94	27.10	15.35	19.01	1.11	0.67	29.21	22.27	1.15
5400	22.97	27.18	15.86	19.08	1.12	0.68	29.97	21.98	1.17
5600	23.02	27.21	16.51	19.10	1.12	0.68	29.46	21.77	1.22
5800	23.06	27.28	17.26	19.12	1.12	0.68	29.21	21.77	1.18
6000	23.10	27.31	18.16	19.10	1.13	0.68	30.09	21.90	1.16
6200	23.14	27.38	19.31	18.79	1.13	0.68	29.37	21.74	1.12
6400	23.17	27.50	20.56	18.54	1.14	0.69	29.64	21.70	1.13
6600	23.19	27.61	22.28	18.03	1.15	0.69	29.02	21.88	1.19
6800	23.22	27.65	24.93	17.40	1.16	0.69	30.14	21.72	1.21
7000	23.26	27.78	28.78	16.77	1.17	0.69	27.84	21.59	1.11
7200	23.27	27.81	34.48	16.29	1.18	0.69	28.84	21.59	1.16
7400	23.26	27.91	40.72	15.94	1.19	0.70	28.92	21.34	1.07
7600	23.24	28.03	31.93	15.58	1.21	0.71	28.65	20.95	1.16
7800	23.22	28.25	26.68	15.21	1.23	0.72	29.03	20.87	1.17
8000	23.18	28.46	23.63	15.00	1.26	0.74	27.72	20.39	1.17
8200	23.12	28.62	21.35	14.94	1.29	0.75	27.41	19.86	1.18
8400	23.07	28.91	19.63	14.85	1.33	0.77	28.00	19.54	1.24
8600	22.99	29.11	18.42	15.10	1.37	0.79	27.38	18.94	1.35
8800	22.89	29.30	17.36	15.49	1.41	0.81	27.06	18.86	1.33
9000	22.78	29.65	16.51	16.06	1.47	0.84	26.56	18.91	1.49
9200	22.64	29.89	15.84	16.76	1.53	0.86	26.75	18.18	1.59
9400	22.47	30.20	15.13	17.61	1.60	0.88	26.77	17.75	1.75
9600	22.26	30.61	14.45	18.36	1.70	0.91	25.97	17.57	1.87
9800	21.99	31.02	13.82	18.81	1.81	0.93	25.38	16.90	1.99
10000	21.68	31.37	13.16	18.63	1.93	0.95	25.97	16.87	2.10

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: VDD = +5.75V, Id = 73mA @ Temperature = -45°C

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)
10	21.43	27.97	10.37	14.21	1.13	0.86	27.48	18.56	8.41
100	23.03	26.02	31.19	15.66	1.04	0.47	29.11	21.26	0.93
200	23.14	25.83	34.00	16.68	1.04	0.44	32.57	21.28	0.71
300	23.17	25.90	35.38	17.12	1.04	0.45	33.38	21.29	0.70
400	23.18	25.71	34.52	17.25	1.03	0.43	32.67	21.30	0.69
500	23.17	25.82	34.35	17.39	1.04	0.45	27.90	21.32	0.67
1000	23.20	25.90	28.31	18.87	1.04	0.47	31.67	21.32	0.72
1200	23.21	25.95	25.68	19.83	1.04	0.48	32.24	21.31	0.68
1400	23.22	25.99	23.52	20.82	1.05	0.49	32.21	21.26	0.56
1600	23.23	25.96	21.39	21.67	1.04	0.49	29.78	21.08	0.58
1800	23.24	26.06	19.77	22.21	1.05	0.50	33.22	21.03	0.60
2000	23.24	26.11	18.38	22.02	1.05	0.51	35.44	20.94	0.64
2200	23.23	26.13	17.24	21.39	1.05	0.52	30.29	20.98	0.60
2400	23.22	26.21	16.43	20.56	1.05	0.53	30.60	20.71	0.67
2600	23.22	26.28	15.82	19.80	1.05	0.54	31.11	20.31	0.65
2800	23.23	26.34	15.32	19.25	1.05	0.54	30.14	20.18	0.61
3000	23.23	26.39	14.95	18.68	1.06	0.55	30.50	19.67	0.63
3200	23.24	26.48	14.68	18.41	1.06	0.56	30.60	19.29	0.69
3400	23.24	26.54	14.58	18.16	1.06	0.56	30.34	18.96	0.61
3600	23.25	26.58	14.46	17.96	1.06	0.57	28.39	18.84	0.68
3800	23.25	26.67	14.43	17.85	1.06	0.58	29.35	19.51	0.68
4000	23.27	26.74	14.49	17.82	1.07	0.59	30.75	19.38	0.74
4200	23.27	26.77	14.65	17.98	1.07	0.59	29.50	19.56	0.74
4400	23.28	26.78	14.96	18.08	1.07	0.59	30.51	19.56	0.74
4600	23.30	26.91	15.27	18.24	1.07	0.61	28.36	19.67	0.74
4800	23.34	26.95	15.59	18.28	1.07	0.61	29.10	20.10	0.78
5000	23.39	26.99	15.92	18.37	1.07	0.61	28.24	20.12	0.74
5200	23.43	27.02	16.41	18.31	1.07	0.61	28.37	20.46	0.74
5400	23.49	27.13	16.79	18.27	1.08	0.62	28.47	20.16	0.76
5600	23.54	27.14	17.29	18.16	1.07	0.62	27.89	20.07	0.79
5800	23.59	27.21	17.87	17.97	1.08	0.62	28.58	20.31	0.75
6000	23.65	27.21	18.44	17.66	1.07	0.62	28.50	20.59	0.79
6200	23.72	27.28	19.26	17.13	1.07	0.62	28.50	20.31	0.62
6400	23.77	27.31	19.84	16.79	1.07	0.61	28.52	20.22	0.64
6600	23.81	27.39	20.93	16.25	1.08	0.62	28.77	20.44	0.68
6800	23.85	27.47	22.13	15.51	1.08	0.61	27.62	20.15	0.66
7000	23.90	27.51	23.20	14.76	1.08	0.60	28.66	19.96	0.71
7200	23.95	27.61	23.62	14.10	1.08	0.60	26.90	19.97	0.66
7400	23.97	27.72	23.70	13.57	1.09	0.60	28.00	19.74	0.64
7600	23.99	27.82	23.16	13.03	1.10	0.60	26.92	19.41	0.65
7800	24.04	27.98	21.81	12.46	1.11	0.60	27.76	19.40	0.65
8000	24.06	28.02	20.78	12.14	1.11	0.60	27.44	19.03	0.65
8200	24.05	28.19	20.42	12.13	1.13	0.61	26.78	18.63	0.63
8400	24.07	28.29	19.69	12.01	1.14	0.62	26.52	18.45	0.70
8600	24.09	28.36	19.16	12.13	1.15	0.62	26.06	18.00	0.74
8800	24.11	28.54	18.43	12.21	1.16	0.64	26.50	17.99	0.76
9000	24.10	28.73	17.86	12.39	1.19	0.66	26.44	18.12	0.80
9200	24.10	28.91	17.22	12.61	1.21	0.68	25.95	17.51	0.94
9400	24.09	29.19	16.66	12.84	1.24	0.70	26.09	17.14	0.99
9600	24.05	29.50	16.26	13.17	1.27	0.73	25.45	16.98	1.06
9800	23.98	29.72	15.85	13.62	1.31	0.76	24.21	16.34	1.17
10000	23.89	29.93	15.24	14.19	1.35	0.78	24.86	16.26	1.32

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: VDD = +6V, Id = 81mA Temperature = -45°C

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)
10	21.68	28.13	10.89	13.85	1.12	0.85	26.60	19.21	8.37
100	23.24	26.29	31.41	14.54	1.04	0.47	29.94	21.92	0.99
200	23.35	26.09	31.05	15.43	1.03	0.44	32.75	21.95	0.76
300	23.38	26.08	31.58	15.79	1.04	0.44	33.31	21.95	0.72
400	23.38	26.04	31.48	15.89	1.03	0.43	28.26	21.96	0.67
500	23.39	26.09	31.60	16.00	1.04	0.44	32.15	21.97	0.65
1000	23.41	26.16	31.16	17.25	1.04	0.46	31.53	21.94	0.62
1200	23.43	26.17	28.82	18.06	1.04	0.47	36.84	21.91	0.66
1400	23.45	26.18	26.28	18.90	1.04	0.48	31.09	21.84	0.56
1600	23.46	26.22	23.61	19.71	1.04	0.48	32.96	21.67	0.58
1800	23.47	26.27	21.66	20.34	1.05	0.50	32.68	21.61	0.67
2000	23.47	26.32	19.96	20.53	1.05	0.50	30.55	21.54	0.59
2200	23.47	26.39	18.63	20.35	1.05	0.52	30.33	21.62	0.64
2400	23.46	26.44	17.63	19.78	1.05	0.52	30.10	21.31	0.69
2600	23.46	26.52	16.94	19.26	1.05	0.53	29.77	20.98	0.61
2800	23.47	26.56	16.37	18.83	1.05	0.54	31.23	20.86	0.69
3000	23.46	26.63	15.93	18.30	1.06	0.54	29.21	20.42	0.70
3200	23.47	26.65	15.64	18.06	1.06	0.55	31.91	20.18	0.66
3400	23.47	26.72	15.48	17.79	1.06	0.55	30.13	19.99	0.68
3600	23.47	26.78	15.35	17.59	1.06	0.56	30.41	19.99	0.65
3800	23.48	26.88	15.31	17.41	1.06	0.57	29.90	20.53	0.73
4000	23.48	26.92	15.35	17.34	1.06	0.58	31.53	20.46	0.72
4200	23.48	26.98	15.52	17.42	1.07	0.59	29.13	20.66	0.72
4400	23.48	27.00	15.85	17.38	1.07	0.59	30.16	20.62	0.70
4600	23.50	27.05	16.21	17.44	1.07	0.60	28.10	20.69	0.72
4800	23.53	27.15	16.50	17.40	1.07	0.61	30.12	21.09	0.75
5000	23.57	27.20	16.89	17.42	1.07	0.61	29.46	21.04	0.73
5200	23.61	27.27	17.43	17.27	1.07	0.61	29.46	21.31	0.73
5400	23.66	27.24	17.79	17.18	1.07	0.61	29.24	20.98	0.75
5600	23.70	27.33	18.31	17.04	1.07	0.62	28.36	20.76	0.84
5800	23.74	27.40	18.89	16.83	1.07	0.62	28.73	20.93	0.77
6000	23.80	27.35	19.46	16.53	1.07	0.61	28.69	21.15	0.71
6200	23.86	27.43	20.21	16.09	1.07	0.61	28.24	20.83	0.60
6400	23.91	27.53	20.70	15.79	1.07	0.62	29.29	20.69	0.68
6600	23.93	27.58	21.63	15.36	1.08	0.61	27.95	20.90	0.67
6800	23.97	27.66	22.50	14.75	1.08	0.61	27.66	20.60	0.68
7000	24.01	27.75	23.09	14.07	1.08	0.61	29.86	20.41	0.64
7200	24.05	27.80	22.88	13.53	1.09	0.60	27.81	20.39	0.64
7400	24.07	27.88	22.48	13.05	1.09	0.60	28.00	20.17	0.62
7600	24.08	28.01	21.76	12.59	1.10	0.60	27.27	19.85	0.66
7800	24.12	28.13	20.44	12.06	1.11	0.60	28.73	19.83	0.71
8000	24.14	28.22	19.61	11.81	1.11	0.60	25.98	19.48	0.68
8200	24.12	28.28	19.31	11.83	1.13	0.61	27.06	19.08	0.66
8400	24.14	28.50	18.68	11.73	1.14	0.62	26.17	18.89	0.68
8600	24.16	28.53	18.27	11.87	1.15	0.63	25.99	18.44	0.64
8800	24.17	28.76	17.62	11.97	1.17	0.65	26.32	18.44	0.75
9000	24.16	28.94	17.17	12.17	1.19	0.67	25.88	18.58	0.84
9200	24.16	29.12	16.59	12.39	1.22	0.68	24.94	17.96	0.90
9400	24.14	29.33	16.09	12.64	1.24	0.71	24.80	17.61	0.96
9600	24.10	29.66	15.74	12.97	1.28	0.74	24.89	17.46	1.11
9800	24.02	29.83	15.38	13.40	1.31	0.76	24.34	16.80	1.16
10000	23.93	30.14	14.83	14.02	1.36	0.79	24.17	16.74	1.34

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: VDD = +6.25V, Id = 89mA @ Temperature = -45°C

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)
10	21.87	27.96	11.20	13.62	1.10	0.83	26.74	19.86	8.39
100	23.40	26.43	29.08	13.82	1.04	0.46	31.35	22.54	0.95
200	23.51	26.32	27.69	14.56	1.04	0.44	30.27	22.55	0.76
300	23.53	26.25	27.89	14.89	1.03	0.43	32.28	22.56	0.68
400	23.55	26.21	27.90	15.00	1.03	0.43	32.74	22.57	0.68
500	23.54	26.25	28.09	15.07	1.04	0.43	32.89	22.60	0.67
1000	23.58	26.30	30.50	16.19	1.04	0.45	35.24	22.56	0.67
1200	23.60	26.33	30.31	16.93	1.04	0.46	30.96	22.52	0.63
1400	23.61	26.36	28.31	17.68	1.04	0.47	35.63	22.44	0.57
1600	23.63	26.40	25.42	18.47	1.04	0.48	32.49	22.27	0.62
1800	23.64	26.43	23.23	19.13	1.05	0.49	30.76	22.24	0.65
2000	23.65	26.45	21.25	19.45	1.05	0.49	33.32	22.20	0.60
2200	23.65	26.54	19.76	19.43	1.05	0.51	30.89	22.27	0.64
2400	23.64	26.58	18.67	19.01	1.05	0.51	31.79	21.93	0.59
2600	23.64	26.64	17.88	18.64	1.05	0.52	29.92	21.60	0.59
2800	23.64	26.72	17.24	18.24	1.05	0.53	35.14	21.54	0.66
3000	23.64	26.76	16.75	17.77	1.05	0.54	31.62	21.16	0.59
3200	23.65	26.77	16.42	17.56	1.05	0.54	30.69	21.00	0.64
3400	23.65	26.86	16.23	17.27	1.06	0.55	30.72	20.88	0.67
3600	23.64	26.88	16.10	17.07	1.06	0.55	30.72	20.93	0.62
3800	23.64	26.97	16.03	16.90	1.06	0.56	29.10	21.41	0.68
4000	23.65	27.05	16.07	16.77	1.06	0.57	30.31	21.39	0.72
4200	23.64	27.12	16.27	16.80	1.07	0.58	29.51	21.61	0.72
4400	23.64	27.21	16.59	16.72	1.07	0.59	29.83	21.59	0.68
4600	23.65	27.19	16.96	16.72	1.07	0.59	29.99	21.61	0.73
4800	23.68	27.29	17.27	16.64	1.07	0.60	29.30	21.94	0.80
5000	23.71	27.33	17.65	16.58	1.07	0.60	29.02	21.86	0.74
5200	23.75	27.38	18.19	16.44	1.07	0.61	28.60	22.06	0.76
5400	23.79	27.40	18.56	16.34	1.07	0.61	29.00	21.68	0.77
5600	23.83	27.43	19.07	16.19	1.07	0.61	29.01	21.40	0.83
5800	23.87	27.51	19.60	15.98	1.07	0.61	28.28	21.54	0.74
6000	23.92	27.56	20.16	15.73	1.07	0.61	27.41	21.68	0.73
6200	23.97	27.63	20.82	15.32	1.07	0.61	28.28	21.36	0.76
6400	24.02	27.67	21.25	15.10	1.07	0.61	27.91	21.19	0.65
6600	24.04	27.70	22.05	14.71	1.07	0.61	28.63	21.36	0.71
6800	24.07	27.79	22.69	14.17	1.08	0.61	27.50	21.05	0.68
7000	24.11	27.89	22.89	13.59	1.08	0.61	28.29	20.84	0.72
7200	24.14	27.96	22.41	13.10	1.09	0.60	27.17	20.81	0.68
7400	24.15	27.99	21.80	12.70	1.09	0.60	28.11	20.59	0.69
7600	24.15	28.13	20.99	12.29	1.10	0.60	27.45	20.26	0.63
7800	24.19	28.31	19.76	11.82	1.11	0.60	26.51	20.25	0.69
8000	24.21	28.34	18.94	11.59	1.12	0.60	26.88	19.89	0.69
8200	24.18	28.40	18.66	11.62	1.13	0.61	25.99	19.49	0.67
8400	24.20	28.61	18.08	11.55	1.15	0.62	26.12	19.30	0.63
8600	24.21	28.67	17.69	11.71	1.16	0.63	25.60	18.84	0.72
8800	24.22	28.82	17.09	11.81	1.17	0.64	26.22	18.85	0.76
9000	24.21	29.10	16.69	12.04	1.20	0.67	25.43	19.00	0.79
9200	24.20	29.32	16.15	12.24	1.22	0.69	24.70	18.39	0.93
9400	24.18	29.57	15.67	12.48	1.25	0.72	24.74	18.04	0.98
9600	24.14	29.79	15.33	12.82	1.29	0.74	24.42	17.88	1.08
9800	24.06	30.08	15.01	13.25	1.33	0.77	23.08	17.24	1.24
10000	23.96	30.27	14.48	13.82	1.37	0.79	23.58	17.17	1.35

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: VDD = +5.75V, Id = 60mA @ Temperature = +85°C

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)
10	19.99	26.69	8.62	13.26	1.14	0.86	24.80	18.03	9.37
100	21.73	24.58	18.36	26.72	1.04	0.50	28.73	21.34	1.81
200	21.78	24.52	18.81	31.01	1.04	0.49	31.82	21.54	1.45
300	21.79	24.55	18.67	33.59	1.04	0.49	30.85	21.71	1.39
400	21.79	24.62	18.33	35.38	1.05	0.50	31.77	21.74	1.27
500	21.79	24.59	18.07	35.87	1.05	0.50	31.64	21.76	1.30
1000	21.76	24.71	16.10	28.03	1.05	0.53	30.00	21.72	1.26
1200	21.74	24.78	15.27	25.06	1.05	0.54	30.33	21.65	1.28
1400	21.72	24.87	14.50	22.77	1.06	0.55	29.20	21.61	1.19
1600	21.70	24.97	13.76	20.87	1.06	0.56	29.33	21.41	1.29
1800	21.67	25.03	13.13	19.39	1.07	0.57	28.69	21.38	1.29
2000	21.66	25.13	12.55	18.14	1.07	0.58	28.65	21.37	1.35
2200	21.63	25.24	12.01	17.11	1.07	0.59	30.66	21.49	1.38
2400	21.61	25.34	11.57	16.34	1.08	0.60	30.46	21.27	1.26
2600	21.59	25.42	11.24	15.75	1.08	0.61	27.92	20.95	1.36
2800	21.58	25.50	10.99	15.37	1.08	0.62	28.39	20.86	1.36
3000	21.58	25.60	10.83	15.15	1.09	0.63	27.60	20.26	1.37
3200	21.59	25.69	10.72	15.06	1.09	0.64	28.49	19.94	1.43
3400	21.60	25.75	10.72	15.09	1.09	0.64	28.19	19.60	1.44
3600	21.61	25.82	10.77	15.22	1.10	0.65	28.26	19.35	1.43
3800	21.64	25.89	10.85	15.50	1.10	0.66	28.74	20.00	1.52
4000	21.67	25.92	11.00	15.90	1.10	0.66	27.78	19.71	1.51
4200	21.69	25.99	11.18	16.43	1.11	0.67	29.01	19.71	1.59
4400	21.72	26.06	11.40	17.00	1.11	0.68	27.37	19.69	1.51
4600	21.75	26.16	11.56	17.65	1.12	0.69	26.92	19.62	1.55
4800	21.80	26.22	11.73	18.28	1.12	0.70	28.39	20.00	1.59
5000	21.84	26.27	11.89	19.01	1.13	0.71	28.56	20.01	1.58
5200	21.89	26.32	12.06	19.76	1.13	0.71	28.64	20.13	1.59
5400	21.94	26.37	12.24	20.50	1.13	0.72	28.05	20.04	1.68
5600	21.99	26.48	12.48	21.32	1.14	0.73	27.39	20.00	1.64
5800	22.04	26.49	12.78	22.43	1.14	0.73	27.54	20.12	1.65
6000	22.09	26.63	13.15	23.68	1.15	0.74	28.53	20.25	1.63
6200	22.15	26.67	13.67	25.08	1.16	0.74	29.09	20.18	1.59
6400	22.19	26.79	14.17	26.49	1.17	0.75	28.72	20.22	1.59
6600	22.21	26.91	14.82	27.60	1.18	0.75	29.06	20.34	1.63
6800	22.25	26.97	15.60	27.32	1.19	0.76	29.16	20.26	1.62
7000	22.28	27.16	16.51	26.58	1.22	0.77	28.93	20.19	1.65
7200	22.28	27.30	17.24	25.52	1.24	0.78	29.47	20.21	1.66
7400	22.26	27.46	17.88	24.77	1.26	0.79	29.89	20.06	1.74
7600	22.24	27.62	18.16	24.30	1.29	0.80	28.67	19.83	1.69
7800	22.25	27.85	18.17	23.86	1.32	0.81	29.16	19.77	1.74
8000	22.28	27.94	17.98	23.60	1.34	0.82	29.36	19.41	1.68
8200	22.23	28.11	17.68	22.96	1.38	0.83	29.85	18.97	1.67
8400	22.22	28.39	16.77	23.18	1.42	0.85	29.22	18.70	1.72
8600	22.24	28.51	15.71	23.57	1.44	0.86	29.14	18.24	1.68
8800	22.15	28.69	14.90	23.54	1.48	0.88	28.81	18.16	1.75
9000	21.99	28.99	14.29	23.72	1.54	0.90	29.60	18.11	1.88
9200	21.79	29.28	13.64	23.59	1.61	0.92	28.55	17.35	1.93
9400	21.56	29.59	12.84	22.77	1.68	0.94	30.81	16.95	2.05
9600	21.26	29.96	12.06	20.99	1.77	0.96	28.40	16.69	2.21
9800	20.89	30.39	11.26	18.65	1.88	0.98	27.82	16.03	2.35
10000	20.45	30.97	10.41	16.47	2.03	1.00	27.88	16.00	2.57

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: VDD = +6V, Id = 67mA @ Temperature = +85°C

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)
10	20.38	27.05	9.21	13.86	1.15	0.86	25.43	18.44	9.33
100	22.04	24.88	20.60	23.55	1.04	0.49	30.13	21.67	1.78
200	22.10	24.83	21.22	25.66	1.04	0.48	30.19	21.87	1.46
300	22.10	24.77	21.02	26.86	1.04	0.48	30.77	22.02	1.35
400	22.10	24.86	20.61	27.75	1.04	0.49	30.56	22.07	1.27
500	22.10	24.91	20.21	28.57	1.05	0.50	30.16	22.09	1.26
1000	22.08	25.02	17.72	31.05	1.05	0.52	31.69	22.00	1.24
1200	22.07	25.05	16.71	28.45	1.05	0.53	31.84	21.89	1.27
1400	22.06	25.10	15.80	25.62	1.06	0.54	30.72	21.83	1.18
1600	22.05	25.20	14.92	23.21	1.06	0.55	29.54	21.61	1.30
1800	22.02	25.28	14.22	21.29	1.06	0.56	30.85	21.60	1.28
2000	22.01	25.38	13.53	19.74	1.07	0.57	30.35	21.61	1.29
2200	21.99	25.46	12.92	18.48	1.07	0.58	29.92	21.73	1.30
2400	21.97	25.58	12.42	17.53	1.08	0.59	28.62	21.40	1.29
2600	21.95	25.69	12.05	16.80	1.08	0.60	29.63	21.01	1.35
2800	21.94	25.72	11.76	16.32	1.08	0.61	29.41	20.99	1.37
3000	21.93	25.84	11.58	16.01	1.09	0.62	29.73	20.40	1.37
3200	21.94	25.88	11.47	15.86	1.09	0.62	29.44	20.21	1.37
3400	21.95	26.00	11.46	15.82	1.09	0.64	28.54	20.05	1.43
3600	21.96	26.05	11.50	15.90	1.10	0.64	28.87	19.94	1.44
3800	21.98	26.13	11.58	16.11	1.10	0.65	29.82	20.57	1.47
4000	22.00	26.21	11.74	16.45	1.10	0.66	28.03	20.31	1.50
4200	22.02	26.19	11.95	16.92	1.10	0.66	29.58	20.32	1.50
4400	22.04	26.28	12.17	17.40	1.11	0.68	28.02	20.30	1.51
4600	22.06	26.38	12.34	18.00	1.12	0.69	29.87	20.15	1.54
4800	22.10	26.43	12.52	18.57	1.12	0.69	28.85	20.49	1.57
5000	22.14	26.50	12.68	19.17	1.12	0.70	28.50	20.47	1.55
5200	22.18	26.56	12.86	19.82	1.13	0.71	29.38	20.56	1.59
5400	22.22	26.64	13.05	20.41	1.13	0.71	28.65	20.43	1.60
5600	22.26	26.68	13.31	21.05	1.14	0.72	28.78	20.34	1.62
5800	22.30	26.78	13.64	21.84	1.15	0.72	29.51	20.45	1.65
6000	22.34	26.85	14.06	22.72	1.15	0.73	29.16	20.54	1.64
6200	22.39	26.96	14.61	23.37	1.16	0.74	30.40	20.49	1.59
6400	22.41	27.09	15.17	24.04	1.18	0.74	30.25	20.53	1.57
6600	22.43	27.14	15.89	24.21	1.19	0.75	30.02	20.64	1.61
6800	22.45	27.26	16.79	23.74	1.20	0.75	29.30	20.58	1.61
7000	22.47	27.44	17.78	23.22	1.23	0.76	29.11	20.52	1.61
7200	22.46	27.52	18.62	22.63	1.24	0.77	28.97	20.54	1.66
7400	22.44	27.77	19.33	22.23	1.28	0.79	31.01	20.41	1.71
7600	22.41	27.92	19.58	22.04	1.31	0.80	29.32	20.18	1.71
7800	22.42	28.06	19.49	21.86	1.33	0.81	31.51	20.14	1.78
8000	22.45	28.22	19.14	21.70	1.36	0.82	30.43	19.83	1.69
8200	22.39	28.48	18.66	21.33	1.41	0.84	28.74	19.41	1.71
8400	22.39	28.66	17.49	21.63	1.44	0.85	29.69	19.18	1.71
8600	22.41	28.76	16.25	22.03	1.45	0.86	28.08	18.74	1.69
8800	22.31	29.00	15.34	22.02	1.50	0.88	29.87	18.66	1.70
9000	22.16	29.38	14.64	22.24	1.57	0.90	29.64	18.62	1.82
9200	21.97	29.61	13.95	22.34	1.64	0.92	28.58	17.84	1.97
9400	21.75	29.92	13.13	22.01	1.71	0.94	29.29	17.44	2.07
9600	21.46	30.28	12.32	20.72	1.80	0.96	28.72	17.18	2.23
9800	21.11	30.63	11.52	18.73	1.90	0.98	27.34	16.51	2.33
10000	20.69	31.12	10.67	16.68	2.03	0.99	28.18	16.49	2.52

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: VDD = +6.25V, Id = 75mA @ Temperature = +85°C

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)
10	20.68	26.96	9.63	14.19	1.12	0.84	25.28	18.79	9.29
100	22.29	25.10	23.01	21.20	1.04	0.48	29.55	21.98	1.84
200	22.35	25.12	23.80	22.47	1.04	0.48	30.16	22.18	1.48
300	22.35	25.06	23.49	23.19	1.04	0.48	30.79	22.32	1.30
400	22.35	25.13	22.95	23.80	1.04	0.49	29.96	22.37	1.27
500	22.35	25.08	22.44	24.34	1.04	0.49	30.28	22.39	1.30
1000	22.34	25.25	19.28	28.13	1.05	0.52	30.66	22.28	1.27
1200	22.33	25.28	18.07	28.36	1.05	0.53	31.06	22.16	1.26
1400	22.32	25.35	17.03	26.72	1.06	0.54	33.02	22.10	1.18
1600	22.31	25.43	16.02	24.54	1.06	0.55	31.62	21.86	1.29
1800	22.29	25.53	15.18	22.54	1.06	0.56	31.24	21.86	1.28
2000	22.28	25.58	14.42	20.86	1.07	0.57	31.03	21.89	1.23
2200	22.26	25.67	13.75	19.44	1.07	0.58	32.01	22.01	1.27
2400	22.25	25.75	13.18	18.33	1.07	0.59	30.07	21.66	1.29
2600	22.23	25.87	12.77	17.53	1.08	0.60	29.83	21.28	1.30
2800	22.22	25.92	12.44	16.96	1.08	0.60	31.20	21.29	1.40
3000	22.21	25.99	12.23	16.55	1.08	0.61	32.76	20.76	1.34
3200	22.22	26.09	12.11	16.34	1.09	0.62	29.31	20.65	1.37
3400	22.22	26.15	12.08	16.23	1.09	0.63	30.23	20.62	1.39
3600	22.22	26.22	12.13	16.24	1.09	0.64	28.89	20.60	1.42
3800	22.24	26.27	12.21	16.37	1.09	0.64	29.57	21.13	1.45
4000	22.26	26.36	12.39	16.63	1.10	0.65	29.45	20.92	1.49
4200	22.27	26.46	12.59	17.01	1.11	0.66	29.37	20.92	1.53
4400	22.28	26.47	12.83	17.41	1.11	0.67	28.08	20.86	1.47
4600	22.31	26.51	13.02	17.87	1.11	0.68	29.08	20.69	1.53
4800	22.34	26.61	13.20	18.37	1.12	0.69	29.90	20.96	1.52
5000	22.37	26.69	13.36	18.83	1.12	0.69	30.19	20.90	1.59
5200	22.40	26.74	13.53	19.34	1.13	0.70	30.06	20.96	1.54
5400	22.43	26.80	13.74	19.76	1.13	0.70	30.65	20.79	1.57
5600	22.47	26.91	14.01	20.24	1.14	0.71	28.92	20.65	1.65
5800	22.51	27.00	14.36	20.75	1.15	0.72	30.82	20.75	1.68
6000	22.54	27.09	14.78	21.34	1.16	0.73	28.84	20.80	1.61
6200	22.58	27.14	15.39	21.67	1.16	0.73	29.36	20.76	1.54
6400	22.59	27.25	16.00	21.93	1.18	0.74	29.95	20.81	1.56
6600	22.60	27.41	16.79	21.98	1.20	0.75	30.19	20.91	1.57
6800	22.61	27.49	17.80	21.61	1.21	0.75	28.92	20.86	1.61
7000	22.63	27.65	18.91	21.20	1.23	0.76	29.54	20.82	1.65
7200	22.61	27.78	19.85	20.80	1.25	0.77	28.27	20.84	1.67
7400	22.58	27.98	20.66	20.63	1.29	0.78	29.64	20.74	1.63
7600	22.55	28.16	20.89	20.54	1.32	0.80	28.69	20.50	1.73
7800	22.57	28.36	20.66	20.47	1.35	0.81	29.31	20.47	1.75
8000	22.59	28.45	20.16	20.36	1.37	0.82	28.60	20.21	1.75
8200	22.52	28.74	19.47	20.12	1.42	0.83	28.13	19.84	1.69
8400	22.54	28.89	18.06	20.55	1.45	0.85	28.41	19.64	1.76
8600	22.56	29.01	16.67	20.86	1.47	0.86	28.34	19.23	1.65
8800	22.46	29.26	15.66	20.89	1.52	0.88	28.53	19.14	1.74
9000	22.31	29.57	14.89	21.13	1.58	0.90	28.52	19.12	1.80
9200	22.13	29.84	14.18	21.30	1.65	0.91	26.87	18.36	1.96
9400	21.92	30.07	13.34	21.17	1.71	0.93	27.33	17.95	2.10
9600	21.64	30.46	12.51	20.27	1.80	0.95	27.04	17.70	2.21
9800	21.30	30.82	11.71	18.56	1.90	0.97	27.46	17.00	2.38
10000	20.89	31.21	10.84	16.70	2.01	0.99	26.75	17.01	2.47