

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 = 3.68V, Id = 36.00mA @ 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)			(dBm)	(dBm)	(dB)
20.0	32.05	34.94	14.07	11.78	1.03	0.38	30.55	13.25	2.99
30.0	32.02	34.97	14.09	11.74	1.04	0.39	28.58	13.19	2.66
40.0	31.99	34.96	14.07	11.71	1.04	0.39	29.27	13.17	2.36
50.0	31.90	35.14	14.05	11.67	1.05	0.42	28.72	13.36	2.37
60.0	31.92	35.03	14.06	11.70	1.04	0.41	29.01	13.11	2.24
70.0	31.87	34.91	14.10	11.73	1.04	0.40	27.72	13.12	2.52
80.0	31.83	34.92	14.13	11.75	1.04	0.41	26.94	13.06	2.38
90.0	31.79	34.88	14.15	11.76	1.04	0.41	27.94	13.03	2.29
100.0	31.74	34.87	14.15	11.77	1.04	0.42	27.77	13.00	2.30
200.0	31.15	34.70	14.59	11.93	1.05	0.48	26.87	12.84	2.67
300.0	30.36	34.39	15.06	12.02	1.06	0.54	26.67	12.71	2.63
400.0	29.52	33.94	15.41	12.10	1.07	0.59	27.37	12.65	2.74
500.0	28.65	33.37	15.62	12.15	1.08	0.63	26.11	12.72	2.66
600.0	27.81	32.69	15.70	12.16	1.08	0.65	26.23	12.69	2.77
700.0	26.98	32.01	15.70	12.21	1.08	0.67	26.24	12.62	2.88
800.0	26.20	31.28	15.60	12.25	1.08	0.68	25.94	12.57	3.04
900.0	25.46	30.57	15.44	12.25	1.07	0.69	25.53	12.65	2.95
1000.0	24.76	29.90	15.30	12.21	1.07	0.70	24.30	12.72	3.02
1100.0	24.09	29.27	15.17	12.20	1.07	0.71	24.27	12.60	3.02
1200.0	23.45	28.65	14.96	12.21	1.06	0.71	24.26	12.46	3.10
1300.0	22.85	28.09	14.77	12.20	1.06	0.72	23.56	12.13	3.20
1400.0	22.26	27.54	14.56	12.20	1.06	0.73	23.33	11.85	3.18
1500.0	21.72	27.01	14.31	12.20	1.06	0.73	22.60	11.63	3.19
1600.0	21.20	26.52	14.06	12.22	1.06	0.74	22.42	11.39	3.16
1700.0	20.69	26.07	13.78	12.28	1.06	0.74	21.80	10.94	3.15
1800.0	20.22	25.62	13.52	12.34	1.06	0.75	21.73	10.71	3.16
1900.0	19.76	25.21	13.26	12.43	1.06	0.76	21.71	10.38	3.17
2000.0	19.30	24.83	13.02	12.50	1.06	0.76	21.16	9.97	3.26
2100.0	18.88	24.45	12.78	12.54	1.06	0.77	20.97	9.83	3.21
2200.0	18.47	24.06	12.55	12.59	1.06	0.78	20.22	9.30	3.22
2300.0	18.07	23.74	12.28	12.70	1.06	0.79	20.24	9.09	3.24
2500.0	17.32	23.09	11.89	12.81	1.07	0.80	19.48	8.48	3.31
3000.0	15.62	21.70	11.10	13.39	1.08	0.83	18.13	7.19	3.41
3500.0	14.12	20.57	10.79	13.77	1.11	0.86	17.03	5.94	3.58
4000.0	12.86	19.50	10.72	14.51	1.14	0.87	15.91	5.07	3.74
4500.0	11.71	18.60	10.71	15.40	1.17	0.88	15.12	4.19	3.86
5000.0	10.76	17.76	10.90	16.36	1.20	0.89	13.92	3.34	4.00
5500.0	9.91	16.92	10.92	17.61	1.21	0.89	13.24	2.62	4.18
6000.0	9.22	16.27	11.55	17.51	1.23	0.87	11.90	1.81	4.36

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 = 3.63V, Id = 29.00mA @ 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)
20.0	31.06	34.53	11.72	9.53	1.04	0.38	29.19	11.64	3.00
30.0	31.03	34.51	11.66	9.51	1.04	0.38	27.11	11.70	2.67
40.0	31.00	34.38	11.63	9.49	1.04	0.37	30.33	11.40	2.35
50.0	30.92	34.62	11.59	9.48	1.04	0.41	27.61	11.42	2.27
60.0	30.95	34.26	11.61	9.49	1.03	0.36	27.44	11.26	2.25
70.0	30.90	34.40	11.64	9.52	1.04	0.39	25.65	11.40	2.49
80.0	30.87	34.38	11.67	9.54	1.04	0.39	25.34	11.29	2.36
90.0	30.82	34.34	11.76	9.55	1.04	0.39	26.04	11.20	2.29
100.0	30.79	34.34	11.82	9.57	1.04	0.40	25.86	11.29	2.30
200.0	30.27	34.19	12.29	9.77	1.04	0.46	24.87	10.87	2.66
300.0	29.58	33.83	12.84	9.98	1.04	0.52	24.99	10.66	2.63
400.0	28.83	33.40	13.32	10.20	1.05	0.57	25.04	10.61	2.75
500.0	28.05	32.84	13.69	10.41	1.05	0.61	24.44	10.66	2.69
600.0	27.28	32.21	13.91	10.59	1.05	0.64	24.68	10.75	2.75
700.0	26.52	31.56	14.05	10.78	1.05	0.66	24.40	10.55	2.91
800.0	25.80	30.86	14.07	10.96	1.04	0.67	24.68	10.64	3.03
900.0	25.10	30.19	14.03	11.09	1.04	0.69	24.40	11.01	2.93
1000.0	24.44	29.55	13.98	11.20	1.04	0.70	23.08	11.04	3.02
1100.0	23.80	28.94	13.91	11.28	1.03	0.71	23.44	11.23	3.00
1200.0	23.18	28.36	13.78	11.38	1.03	0.72	23.48	11.08	3.09
1300.0	22.61	27.81	13.67	11.45	1.03	0.72	22.77	10.95	3.17
1400.0	22.03	27.28	13.52	11.52	1.03	0.73	22.70	10.65	3.16
1500.0	21.50	26.77	13.33	11.58	1.03	0.74	22.04	10.64	3.14
1600.0	20.99	26.29	13.13	11.65	1.03	0.74	21.77	10.45	3.16
1700.0	20.48	25.87	12.90	11.76	1.03	0.75	21.32	10.19	3.11
1800.0	20.03	25.42	12.69	11.86	1.03	0.76	21.28	9.94	3.16
1900.0	19.57	25.04	12.46	12.00	1.04	0.77	21.10	9.59	3.15
2000.0	19.12	24.68	12.25	12.10	1.04	0.78	20.60	9.24	3.21
2100.0	18.70	24.32	12.07	12.18	1.04	0.79	20.43	9.10	3.16
2200.0	18.29	23.93	11.87	12.26	1.04	0.79	19.73	8.73	3.19
2300.0	17.90	23.62	11.64	12.40	1.05	0.80	19.68	8.46	3.23
2500.0	17.15	23.00	11.31	12.57	1.05	0.82	19.04	7.89	3.29
3000.0	15.45	21.66	10.62	13.28	1.08	0.85	17.69	6.62	3.34
3500.0	13.95	20.60	10.40	13.76	1.12	0.88	16.59	5.40	3.52
4000.0	12.68	19.57	10.37	14.58	1.15	0.89	15.53	4.61	3.66
4500.0	11.53	18.70	10.38	15.58	1.19	0.91	14.70	3.71	3.76
5000.0	10.58	17.89	10.61	16.61	1.22	0.91	13.55	2.84	3.91
5500.0	9.72	17.07	10.69	18.03	1.24	0.91	12.87	2.16	4.10
6000.0	9.03	16.43	11.33	18.00	1.26	0.89	11.55	1.32	4.28

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.71V, Id = 43.00mA @ 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)
20.0	32.71	35.34	16.30	13.79	1.03	0.39	30.59	13.81	3.04
30.0	32.69	35.36	16.25	13.79	1.03	0.39	29.63	13.61	2.72
40.0	32.66	35.38	16.24	13.78	1.04	0.40	30.05	13.97	2.39
50.0	32.56	35.62	16.24	13.78	1.05	0.44	31.22	14.40	2.31
60.0	32.59	35.24	16.22	13.81	1.03	0.39	30.47	13.95	2.27
70.0	32.53	35.33	16.23	13.85	1.04	0.41	28.92	13.77	2.59
80.0	32.49	35.30	16.23	13.87	1.04	0.41	28.65	13.82	2.39
90.0	32.44	35.27	16.34	13.87	1.04	0.42	29.77	13.80	2.36
100.0	32.39	35.30	16.40	13.88	1.04	0.43	29.51	13.56	2.34
200.0	31.73	35.13	16.73	13.91	1.05	0.49	28.61	13.64	2.72
300.0	30.88	34.80	17.02	13.80	1.07	0.55	28.65	13.61	2.65
400.0	29.97	34.33	17.16	13.65	1.08	0.60	28.80	13.41	2.73
500.0	29.04	33.72	17.19	13.49	1.09	0.63	27.33	13.50	2.73
600.0	28.14	33.02	17.09	13.30	1.10	0.66	27.47	13.26	2.82
700.0	27.27	32.32	16.95	13.19	1.10	0.67	27.50	13.49	2.94
800.0	26.46	31.54	16.73	13.10	1.09	0.68	26.93	13.30	3.04
900.0	25.69	30.81	16.47	12.98	1.09	0.69	25.97	13.10	2.97
1000.0	24.96	30.12	16.27	12.84	1.08	0.70	24.99	13.24	3.07
1100.0	24.28	29.47	16.09	12.76	1.08	0.70	24.81	12.98	3.05
1200.0	23.62	28.84	15.81	12.71	1.08	0.71	24.59	12.94	3.15
1300.0	23.01	28.26	15.57	12.64	1.08	0.71	23.95	12.63	3.20
1400.0	22.41	27.69	15.30	12.60	1.07	0.72	23.74	12.44	3.23
1500.0	21.86	27.17	15.00	12.55	1.07	0.72	23.14	12.14	3.22
1600.0	21.34	26.66	14.72	12.54	1.07	0.73	22.87	11.90	3.20
1700.0	20.82	26.19	14.40	12.57	1.07	0.74	22.25	11.36	3.19
1800.0	20.35	25.73	14.10	12.60	1.07	0.74	22.12	11.22	3.22
1900.0	19.88	25.32	13.80	12.67	1.07	0.75	22.15	10.88	3.22
2000.0	19.43	24.93	13.52	12.71	1.07	0.76	21.51	10.44	3.29
2100.0	19.00	24.55	13.27	12.73	1.07	0.76	21.42	10.28	3.25
2200.0	18.59	24.14	13.02	12.76	1.07	0.77	20.59	9.68	3.26
2300.0	18.19	23.82	12.73	12.84	1.07	0.77	20.63	9.51	3.30
2500.0	17.43	23.14	12.29	12.92	1.07	0.79	19.91	8.91	3.37
3000.0	15.74	21.71	11.44	13.41	1.09	0.82	18.50	7.56	3.45
3500.0	14.24	20.55	11.08	13.71	1.11	0.84	17.41	6.30	3.63
4000.0	12.99	19.45	10.98	14.39	1.13	0.85	16.29	5.46	3.77
4500.0	11.84	18.52	10.92	15.21	1.16	0.87	15.47	4.58	3.93
5000.0	10.89	17.67	11.11	16.11	1.18	0.87	14.27	3.72	4.11
5500.0	10.03	16.82	11.10	17.23	1.19	0.87	13.59	3.05	4.29
6000.0	9.35	16.15	11.73	17.10	1.21	0.86	12.22	2.18	4.46

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 = 3.70V, Id = 36.00mA @ Temperature = -55°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)
20.0	33.17	35.68	18.36	15.90	1.03	0.40	29.30	13.51	2.82
30.0	33.12	35.72	17.89	15.62	1.04	0.41	26.65	13.41	1.92
40.0	33.10	35.64	18.26	15.33	1.03	0.40	29.32	13.30	1.83
50.0	32.98	36.02	18.97	15.36	1.05	0.46	31.08	13.11	1.56
60.0	32.99	35.62	18.19	15.83	1.04	0.42	30.43	13.31	1.76
70.0	32.97	35.56	18.31	15.51	1.04	0.41	27.86	13.29	1.63
80.0	32.92	35.59	18.35	15.37	1.04	0.42	27.93	13.30	1.68
90.0	32.87	35.54	18.11	15.42	1.04	0.42	29.11	13.24	1.74
100.0	32.82	35.56	18.18	15.38	1.04	0.43	28.33	13.15	1.59
200.0	32.16	35.30	18.66	15.32	1.05	0.48	28.22	13.03	1.82
300.0	31.31	34.88	19.68	15.20	1.06	0.53	27.23	13.03	1.94
400.0	30.40	34.32	19.99	14.81	1.07	0.57	28.13	13.09	1.89
500.0	29.49	33.64	19.97	14.51	1.07	0.60	27.34	13.09	2.01
600.0	28.60	32.90	20.03	14.19	1.08	0.61	27.06	12.95	2.15
700.0	27.72	32.14	19.80	13.99	1.08	0.62	27.40	13.03	2.13
800.0	26.94	31.35	19.55	13.69	1.07	0.63	27.14	13.17	2.38
900.0	26.19	30.62	19.40	13.48	1.07	0.63	26.61	13.17	2.25
1000.0	25.47	29.92	19.01	13.30	1.06	0.63	25.57	13.18	2.27
1100.0	24.79	29.27	18.88	13.14	1.06	0.64	25.37	13.07	2.30
1200.0	24.16	28.63	18.50	12.95	1.05	0.64	25.36	12.94	2.33
1300.0	23.54	28.05	18.06	12.95	1.05	0.64	24.74	12.94	2.38
1400.0	22.98	27.48	17.51	12.85	1.05	0.65	24.52	12.61	2.37
1500.0	22.42	26.94	17.31	12.70	1.05	0.65	24.08	12.45	2.41
1600.0	21.90	26.46	16.81	12.68	1.05	0.65	23.32	12.11	2.35
1700.0	21.41	25.95	16.17	12.62	1.04	0.65	23.48	11.95	2.36
1800.0	20.93	25.52	15.87	12.54	1.04	0.66	22.99	11.59	2.44
1900.0	20.48	25.08	15.54	12.53	1.04	0.66	22.53	11.22	2.46
2000.0	20.06	24.67	15.15	12.49	1.04	0.67	22.23	10.96	2.42
2100.0	19.61	24.31	14.88	12.55	1.04	0.67	21.75	10.46	2.51
2200.0	19.20	23.94	14.52	12.54	1.04	0.68	22.06	10.51	2.45
2300.0	18.85	23.56	14.02	12.42	1.03	0.68	21.58	10.02	2.54
2500.0	18.08	22.88	13.51	12.52	1.04	0.69	20.85	9.50	2.53
3000.0	16.44	21.42	12.39	12.91	1.04	0.72	19.20	7.94	2.59
3500.0	14.99	20.17	11.86	13.59	1.06	0.75	17.98	6.98	2.71
4000.0	13.72	19.25	11.59	14.82	1.09	0.78	17.15	5.99	2.97
4500.0	12.76	18.12	10.91	15.15	1.07	0.78	16.36	5.18	2.98
5000.0	11.87	17.29	11.14	14.92	1.08	0.78	14.99	4.21	3.06
5500.0	11.14	16.50	11.37	14.37	1.08	0.76	14.09	3.32	3.29
6000.0	10.45	15.60	11.81	14.13	1.08	0.73	13.68	2.83	3.39

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 = 3.65V, Id = 29.00mA @ Temperature = -55°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)
20.0	32.34	35.21	14.99	12.70	1.04	0.40	27.48	11.94	2.86
30.0	32.30	35.18	14.67	12.49	1.04	0.40	25.33	11.68	1.67
40.0	32.27	35.12	14.80	12.30	1.04	0.39	26.50	11.37	1.81
50.0	32.17	35.48	15.31	12.37	1.05	0.45	28.00	11.43	1.57
60.0	32.17	35.07	15.21	12.65	1.04	0.41	27.95	11.70	1.75
70.0	32.16	35.07	14.95	12.44	1.04	0.40	25.38	11.59	1.63
80.0	32.11	35.04	14.92	12.36	1.04	0.40	25.18	11.60	1.67
90.0	32.07	35.01	14.82	12.40	1.04	0.41	26.51	11.50	1.72
100.0	32.02	35.05	14.89	12.40	1.04	0.42	25.55	11.23	1.59
200.0	31.43	34.75	15.40	12.55	1.04	0.47	25.50	10.98	1.92
300.0	30.68	34.35	16.38	12.75	1.05	0.52	25.24	10.97	1.98
400.0	29.86	33.82	16.89	12.75	1.05	0.56	26.37	11.13	2.06
500.0	29.02	33.19	17.20	12.77	1.05	0.59	25.42	11.11	2.04
600.0	28.20	32.49	17.47	12.76	1.05	0.61	25.14	10.87	2.19
700.0	27.37	31.78	17.57	12.77	1.06	0.62	25.35	10.99	2.12
800.0	26.63	31.02	17.48	12.66	1.05	0.63	24.90	11.31	2.38
900.0	25.92	30.32	17.45	12.62	1.05	0.63	25.15	11.36	2.24
1000.0	25.23	29.66	17.23	12.56	1.04	0.64	24.45	11.54	2.23
1100.0	24.57	29.03	17.20	12.50	1.04	0.64	24.40	11.43	2.27
1200.0	23.96	28.42	16.95	12.42	1.04	0.64	24.43	11.49	2.30
1300.0	23.35	27.84	16.59	12.48	1.04	0.65	23.90	11.52	2.38
1400.0	22.80	27.29	16.26	12.42	1.03	0.65	23.72	11.24	2.34
1500.0	22.26	26.75	16.06	12.32	1.03	0.65	23.25	11.27	2.37
1600.0	21.74	26.30	15.76	12.35	1.03	0.66	22.72	11.24	2.37
1700.0	21.26	25.82	15.17	12.33	1.03	0.67	22.80	10.87	2.33
1800.0	20.78	25.39	14.97	12.28	1.03	0.67	22.32	10.81	2.41
1900.0	20.33	24.96	14.65	12.30	1.03	0.68	22.00	10.51	2.41
2000.0	19.92	24.57	14.31	12.29	1.03	0.68	21.73	10.29	2.37
2100.0	19.47	24.22	14.14	12.38	1.03	0.69	21.29	9.85	2.47
2200.0	19.06	23.86	13.73	12.40	1.03	0.70	21.44	9.81	2.40
2300.0	18.71	23.48	13.31	12.30	1.02	0.70	21.00	9.44	2.49
2500.0	17.95	22.82	12.88	12.43	1.03	0.71	20.32	8.89	2.46
3000.0	16.30	21.40	11.88	12.92	1.04	0.75	18.79	7.49	2.54
3500.0	14.84	20.20	11.41	13.70	1.06	0.77	17.55	6.50	2.65
4000.0	13.58	19.31	11.22	15.04	1.10	0.80	16.75	5.57	2.90
4500.0	12.61	18.22	10.59	15.44	1.08	0.81	15.99	4.73	2.93
5000.0	11.71	17.39	10.84	15.26	1.09	0.80	14.67	3.75	3.02
5500.0	10.98	16.62	11.10	14.79	1.09	0.79	13.78	2.96	3.22
6000.0	10.29	15.74	11.54	14.61	1.09	0.76	13.36	2.42	3.30

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 = 3.74V, Id = 43.00mA @ Temperature = -55°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)
20.0	33.73	36.30	22.23	19.45	1.04	0.43	32.62	14.48	2.88
30.0	33.69	36.14	21.50	18.97	1.04	0.41	29.52	14.53	1.72
40.0	33.66	36.00	21.97	18.52	1.03	0.39	31.11	14.52	1.82
50.0	33.54	36.33	23.65	18.57	1.05	0.45	35.21	14.13	1.61
60.0	33.55	36.20	22.72	19.20	1.04	0.44	32.66	14.28	1.77
70.0	33.53	36.00	22.14	18.73	1.04	0.41	30.64	14.35	1.64
80.0	33.48	35.98	21.99	18.50	1.04	0.42	30.14	14.35	1.70
90.0	33.42	36.00	21.83	18.53	1.04	0.43	32.64	14.32	1.71
100.0	33.36	36.01	21.90	18.44	1.04	0.44	30.47	14.35	1.62
200.0	32.64	35.72	22.09	17.92	1.05	0.49	29.81	14.28	1.88
300.0	31.73	35.26	22.97	17.19	1.07	0.54	29.66	14.35	1.97
400.0	30.76	34.67	22.85	16.32	1.08	0.58	29.76	14.18	1.91
500.0	29.80	33.95	22.37	15.67	1.09	0.60	28.78	14.13	2.07
600.0	28.86	33.18	22.19	15.07	1.09	0.61	29.22	14.23	2.18
700.0	27.95	32.38	21.62	14.72	1.09	0.62	28.42	14.27	2.14
800.0	27.14	31.56	21.21	14.28	1.08	0.63	27.79	14.12	2.33
900.0	26.37	30.81	20.90	13.96	1.08	0.63	27.61	14.03	2.26
1000.0	25.63	30.09	20.38	13.70	1.07	0.63	26.05	13.90	2.25
1100.0	24.94	29.43	20.15	13.48	1.07	0.63	26.28	13.97	2.32
1200.0	24.30	28.77	19.69	13.24	1.06	0.63	25.80	13.64	2.37
1300.0	23.67	28.17	19.04	13.21	1.06	0.64	25.32	13.65	2.42
1400.0	23.10	27.60	18.53	13.07	1.06	0.64	25.17	13.30	2.38
1500.0	22.54	27.05	18.16	12.89	1.06	0.64	24.45	13.05	2.47
1600.0	22.01	26.55	17.68	12.85	1.06	0.64	23.82	12.62	2.43
1700.0	21.52	26.04	16.93	12.76	1.05	0.65	23.90	12.52	2.40
1800.0	21.04	25.59	16.59	12.67	1.05	0.65	23.38	12.02	2.46
1900.0	20.58	25.13	16.22	12.65	1.05	0.65	22.93	11.62	2.45
2000.0	20.17	24.74	15.74	12.58	1.04	0.66	22.65	11.35	2.43
2100.0	19.71	24.36	15.54	12.63	1.05	0.66	22.17	10.81	2.54
2200.0	19.30	23.99	15.06	12.60	1.05	0.67	22.51	10.96	2.47
2300.0	18.95	23.60	14.52	12.48	1.04	0.67	21.99	10.46	2.56
2500.0	18.19	22.91	13.96	12.55	1.04	0.68	21.29	9.88	2.54
3000.0	16.55	21.41	12.76	12.86	1.04	0.71	19.55	8.31	2.65
3500.0	15.10	20.14	12.17	13.47	1.05	0.73	18.31	7.27	2.76
4000.0	13.84	19.19	11.84	14.63	1.08	0.76	17.49	6.33	3.05
4500.0	12.88	18.08	11.16	14.96	1.06	0.77	16.69	5.51	3.05
5000.0	11.99	17.21	11.35	14.66	1.07	0.76	15.34	4.51	3.15
5500.0	11.28	16.40	11.55	14.04	1.07	0.74	14.40	3.66	3.40
6000.0	10.58	15.51	12.02	13.79	1.06	0.71	14.02	3.18	3.51

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 = 3.64V, Id = 36.00mA @ Temperature = +100°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)
20.0	31.06	34.49	11.63	9.60	1.04	0.38	30.50	12.52	3.47
30.0	31.03	34.46	11.65	9.60	1.04	0.38	29.62	12.31	3.41
40.0	31.01	34.43	11.69	9.60	1.04	0.38	32.26	12.62	2.96
50.0	30.94	34.68	11.74	9.60	1.05	0.42	29.02	13.00	2.99
60.0	30.97	34.29	11.78	9.64	1.03	0.37	29.42	12.58	2.84
70.0	30.91	34.40	11.84	9.69	1.04	0.39	27.62	12.41	3.22
80.0	30.88	34.38	11.89	9.72	1.04	0.40	27.41	12.45	3.01
90.0	30.85	34.35	11.92	9.74	1.04	0.40	27.13	12.40	2.92
100.0	30.81	34.35	11.98	9.77	1.04	0.40	27.29	12.18	2.92
200.0	30.24	34.27	12.29	9.93	1.05	0.47	26.46	12.18	3.42
300.0	29.49	34.01	12.67	10.07	1.06	0.54	26.35	12.05	3.27
400.0	28.68	33.64	12.98	10.30	1.07	0.60	26.36	11.87	3.41
500.0	27.84	33.12	13.15	10.52	1.08	0.64	25.52	11.99	3.35
600.0	27.02	32.52	13.30	10.68	1.09	0.68	25.55	11.75	3.42
700.0	26.21	31.88	13.27	10.87	1.09	0.70	25.36	11.90	3.51
800.0	25.44	31.19	13.18	11.03	1.08	0.72	24.70	11.72	3.79
900.0	24.71	30.51	13.11	11.18	1.08	0.74	24.79	11.62	3.67
1000.0	24.01	29.86	12.96	11.30	1.08	0.75	23.22	11.76	3.75
1100.0	23.35	29.23	12.90	11.37	1.07	0.76	23.39	11.52	3.73
1200.0	22.71	28.64	12.76	11.48	1.07	0.77	23.32	11.45	3.85
1300.0	22.11	28.08	12.60	11.57	1.07	0.78	22.44	11.08	3.92
1400.0	21.51	27.55	12.46	11.65	1.07	0.79	22.39	10.84	3.96
1500.0	20.97	27.05	12.30	11.72	1.07	0.80	21.73	10.62	3.94
1600.0	20.45	26.57	12.12	11.82	1.07	0.81	21.40	10.40	3.88
1700.0	19.91	26.14	11.91	11.95	1.08	0.82	20.90	9.90	3.90
1800.0	19.45	25.68	11.75	12.04	1.08	0.82	20.75	9.66	3.90
1900.0	18.99	25.27	11.56	12.20	1.08	0.83	20.61	9.36	3.95
2000.0	18.51	24.92	11.40	12.36	1.09	0.84	20.06	8.94	3.98
2100.0	18.08	24.57	11.23	12.44	1.09	0.85	19.84	8.74	3.97
2200.0	17.67	24.17	11.09	12.52	1.09	0.86	19.10	8.26	3.97
2300.0	17.26	23.86	10.93	12.67	1.10	0.87	19.02	8.09	4.05
2500.0	16.48	23.25	10.69	12.87	1.11	0.88	18.36	7.39	4.11
3000.0	14.73	21.95	10.23	13.60	1.15	0.91	17.00	6.11	4.25
3500.0	13.16	20.86	10.05	13.98	1.20	0.93	15.95	4.81	4.48
4000.0	11.82	19.95	10.11	14.86	1.26	0.95	14.77	3.96	4.67
4500.0	10.64	19.09	10.22	15.83	1.31	0.96	13.89	3.02	4.82
5000.0	9.65	18.29	10.45	16.98	1.35	0.96	12.76	2.23	5.01
5500.0	8.77	17.50	10.61	18.64	1.38	0.96	12.12	1.53	5.23
6000.0	8.07	16.75	11.12	18.81	1.40	0.95	10.89	0.69	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 = 3.59V, Id = 29.00mA @ Temperature = +100°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)
20.0	29.99	33.86	9.96	7.83	1.03	0.34	31.62	11.49	3.49
30.0	29.95	33.96	9.93	7.83	1.04	0.36	27.08	11.47	3.38
40.0	29.94	33.92	9.91	7.84	1.04	0.36	31.02	11.27	2.96
50.0	29.87	34.15	9.90	7.85	1.05	0.39	28.38	11.29	2.91
60.0	29.91	33.97	9.91	7.89	1.04	0.37	29.79	11.15	2.84
70.0	29.85	33.90	9.98	7.92	1.04	0.37	26.60	11.23	3.19
80.0	29.83	33.90	10.01	7.95	1.04	0.38	26.21	11.16	2.99
90.0	29.79	33.86	10.07	7.96	1.04	0.38	26.26	11.06	2.88
100.0	29.76	33.87	10.13	7.99	1.04	0.39	25.74	11.12	2.90
200.0	29.27	33.75	10.50	8.17	1.04	0.45	24.95	10.76	3.37
300.0	28.61	33.47	10.96	8.36	1.05	0.51	25.06	10.55	3.29
400.0	27.90	33.10	11.36	8.65	1.05	0.57	25.05	10.41	3.37
500.0	27.16	32.60	11.65	8.93	1.05	0.62	24.13	10.47	3.30
600.0	26.42	32.00	11.89	9.20	1.05	0.65	24.38	10.46	3.40
700.0	25.67	31.38	11.98	9.47	1.05	0.69	23.89	10.30	3.56
800.0	24.97	30.73	11.98	9.72	1.05	0.71	23.93	10.32	3.72
900.0	24.29	30.07	11.99	9.96	1.04	0.73	23.79	10.54	3.64
1000.0	23.63	29.46	11.91	10.18	1.04	0.75	22.41	10.61	3.71
1100.0	23.00	28.85	11.89	10.33	1.04	0.76	22.71	10.64	3.71
1200.0	22.39	28.28	11.79	10.52	1.04	0.77	22.68	10.45	3.81
1300.0	21.82	27.75	11.69	10.69	1.04	0.78	21.88	10.26	3.91
1400.0	21.24	27.24	11.59	10.82	1.04	0.79	21.79	9.88	3.94
1500.0	20.71	26.76	11.47	10.95	1.04	0.80	21.11	9.81	3.93
1600.0	20.20	26.28	11.33	11.11	1.04	0.81	20.95	9.57	3.86
1700.0	19.68	25.87	11.16	11.28	1.05	0.83	20.32	9.20	3.87
1800.0	19.23	25.44	11.04	11.41	1.04	0.83	20.28	8.91	3.89
1900.0	18.78	25.05	10.89	11.62	1.05	0.84	20.04	8.53	3.89
2000.0	18.30	24.71	10.76	11.82	1.06	0.85	19.54	8.25	3.96
2100.0	17.88	24.37	10.63	11.94	1.07	0.86	19.32	8.03	3.94
2200.0	17.46	24.00	10.51	12.05	1.07	0.87	18.67	7.59	3.95
2300.0	17.06	23.71	10.38	12.24	1.08	0.88	18.53	7.35	4.00
2500.0	16.29	23.12	10.19	12.51	1.09	0.89	17.88	6.77	4.07
3000.0	14.54	21.88	9.80	13.39	1.14	0.93	16.58	5.54	4.23
3500.0	12.97	20.87	9.69	13.90	1.20	0.95	15.49	4.28	4.39
4000.0	11.63	20.02	9.79	14.84	1.27	0.97	14.36	3.48	4.58
4500.0	10.44	19.21	9.95	15.88	1.34	0.97	13.50	2.47	4.77
5000.0	9.45	18.44	10.19	17.02	1.38	0.98	12.39	1.75	4.94
5500.0	8.58	17.67	10.40	18.81	1.42	0.98	11.77	1.03	5.13
6000.0	7.87	16.94	10.94	19.09	1.44	0.96	10.57	0.25	5.39

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 = 3.68V, Id = 43.00mA @ Temperature = +100°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)
20.0	31.81	34.83	13.52	11.20	1.04	0.39	32.94	12.73	3.50
30.0	31.78	34.73	13.51	11.21	1.03	0.38	29.17	12.48	3.36
40.0	31.76	34.82	13.49	11.23	1.04	0.39	31.64	12.95	2.97
50.0	31.69	34.57	13.47	11.24	1.03	0.37	30.80	13.45	3.00
60.0	31.71	34.63	13.50	11.29	1.03	0.38	29.14	12.91	2.86
70.0	31.65	34.79	13.56	11.34	1.04	0.40	28.74	12.67	3.26
80.0	31.62	34.78	13.60	11.38	1.04	0.41	28.17	12.74	3.03
90.0	31.57	34.77	13.69	11.41	1.04	0.41	28.81	12.70	2.92
100.0	31.53	34.75	13.71	11.44	1.04	0.42	28.38	12.39	2.93
200.0	30.91	34.69	13.91	11.55	1.06	0.49	27.76	12.51	3.40
300.0	30.08	34.43	14.16	11.57	1.07	0.56	27.89	12.44	3.29
400.0	29.20	34.05	14.32	11.71	1.09	0.62	27.41	12.23	3.39
500.0	28.29	33.51	14.34	11.81	1.10	0.66	26.30	12.32	3.32
600.0	27.41	32.87	14.39	11.84	1.11	0.69	26.27	12.06	3.46
700.0	26.55	32.21	14.25	11.91	1.11	0.71	25.92	12.34	3.62
800.0	25.74	31.49	14.07	11.98	1.11	0.73	25.76	12.14	3.79
900.0	24.98	30.78	13.94	12.04	1.10	0.74	25.25	11.95	3.70
1000.0	24.25	30.12	13.74	12.05	1.10	0.76	23.80	12.10	3.76
1100.0	23.57	29.48	13.64	12.05	1.10	0.76	23.84	11.80	3.77
1200.0	22.91	28.86	13.44	12.11	1.10	0.77	23.75	11.82	3.86
1300.0	22.30	28.28	13.25	12.14	1.09	0.78	22.93	11.41	3.96
1400.0	21.69	27.75	13.09	12.16	1.09	0.79	22.76	11.28	4.00
1500.0	21.14	27.23	12.90	12.19	1.09	0.80	22.09	11.01	3.98
1600.0	20.61	26.74	12.68	12.26	1.09	0.80	21.73	10.77	3.93
1700.0	20.06	26.28	12.44	12.35	1.10	0.81	21.16	10.23	3.94
1800.0	19.60	25.82	12.26	12.41	1.09	0.82	21.17	10.09	3.95
1900.0	19.14	25.41	12.05	12.55	1.10	0.82	21.01	9.84	3.98
2000.0	18.66	25.05	11.86	12.68	1.10	0.83	20.46	9.37	4.09
2100.0	18.22	24.68	11.68	12.72	1.11	0.84	20.21	9.23	4.00
2200.0	17.80	24.28	11.50	12.77	1.10	0.85	19.50	8.68	4.04
2300.0	17.39	23.97	11.34	12.90	1.11	0.86	19.49	8.44	4.07
2500.0	16.62	23.32	11.08	13.05	1.12	0.87	18.77	7.82	4.15
3000.0	14.86	21.98	10.54	13.67	1.15	0.90	17.38	6.52	4.29
3500.0	13.29	20.84	10.31	13.96	1.19	0.92	16.32	5.28	4.54
4000.0	11.96	19.90	10.34	14.79	1.25	0.93	15.12	4.37	4.72
4500.0	10.79	19.02	10.43	15.70	1.29	0.94	14.23	3.40	4.89
5000.0	9.80	18.18	10.63	16.85	1.33	0.95	13.11	2.62	5.11
5500.0	8.92	17.37	10.77	18.41	1.35	0.95	12.45	1.92	5.34
6000.0	8.20	16.63	11.26	18.51	1.37	0.93	11.20	1.10	5.56