

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 = 3.53V, Id = 16.00mA @ 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	21.29	23.44	31.90	33.97	1.03	0.39	18.71	3.56	2.45
30.0	21.26	23.41	33.09	34.48	1.03	0.39	17.74	3.26	2.33
40.0	21.29	23.41	33.91	35.94	1.03	0.39	19.25	2.69	2.31
50.0	21.25	23.38	34.79	37.36	1.03	0.39	19.19	3.34	2.32
60.0	21.25	23.42	35.20	38.11	1.03	0.39	19.73	3.59	1.99
70.0	21.25	23.41	35.49	38.02	1.03	0.39	16.93	3.33	2.21
80.0	21.23	23.41	35.57	37.34	1.03	0.39	16.70	3.34	2.22
90.0	21.23	23.41	35.40	39.07	1.03	0.40	18.05	3.24	2.29
100.0	21.22	23.41	34.95	39.80	1.03	0.40	17.40	2.81	2.20
200.0	21.14	23.44	34.60	38.08	1.03	0.41	17.66	2.94	2.24
300.0	21.04	23.43	34.00	36.39	1.04	0.42	17.71	2.83	2.24
400.0	20.93	23.43	33.38	34.83	1.04	0.44	18.43	3.28	2.16
500.0	20.78	23.40	32.90	32.69	1.04	0.45	17.48	3.06	2.19
600.0	20.61	23.38	32.38	31.06	1.05	0.47	16.80	2.65	2.33
700.0	20.42	23.36	31.52	30.15	1.06	0.49	16.78	2.62	2.28
800.0	20.22	23.31	30.72	29.27	1.06	0.51	16.63	2.86	2.26
900.0	20.02	23.26	30.20	28.27	1.07	0.53	16.81	2.92	2.31
1000.0	19.79	23.22	29.47	26.85	1.08	0.55	16.25	2.90	2.33
1100.0	19.56	23.17	28.54	26.12	1.08	0.57	16.35	2.50	2.39
1200.0	19.32	23.11	27.99	25.59	1.09	0.58	16.69	2.61	2.35
1300.0	19.07	23.07	27.38	25.04	1.10	0.60	16.66	2.52	2.43
1400.0	18.84	22.99	26.37	24.44	1.11	0.62	16.66	2.44	2.43
1500.0	18.59	22.93	25.42	23.89	1.12	0.63	16.67	2.57	2.45
1600.0	18.34	22.85	24.51	23.44	1.13	0.65	17.69	3.02	2.39
1700.0	18.09	22.77	23.75	22.98	1.14	0.66	16.95	2.24	2.43
1800.0	17.85	22.70	22.92	22.62	1.15	0.68	17.54	2.64	2.49
1900.0	17.58	22.63	22.16	22.32	1.16	0.69	17.97	2.57	2.44
2000.0	17.36	22.53	21.39	22.05	1.16	0.70	18.08	2.81	2.41
2100.0	17.11	22.46	20.60	21.83	1.17	0.72	18.29	3.34	2.48
2200.0	16.88	22.38	19.86	21.56	1.18	0.73	16.93	2.62	2.46
2300.0	16.65	22.27	19.22	21.38	1.19	0.74	17.71	3.17	2.47
2500.0	16.19	22.14	18.04	21.06	1.21	0.76	17.85	3.40	2.47
3000.0	15.09	21.77	15.81	20.78	1.26	0.81	18.41	3.97	2.62
3500.0	14.16	21.26	14.05	20.11	1.28	0.85	18.08	3.80	2.55
4000.0	13.26	21.09	12.76	19.82	1.34	0.89	17.86	3.75	2.71
4500.0	12.60	20.62	11.76	19.19	1.34	0.91	17.83	3.69	2.79
5000.0	11.94	20.10	11.13	18.86	1.35	0.92	17.31	3.81	2.80
5500.0	11.55	19.67	10.34	17.63	1.31	0.94	16.92	3.69	2.93
6000.0	11.15	19.01	9.93	17.02	1.27	0.93	16.12	3.20	2.98

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 = 3.51V, Id = 12.00mA @ 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	19.11	21.85	13.90	14.06	1.04	0.41	17.62	-1.36	2.54
30.0	19.06	21.84	14.02	14.37	1.04	0.42	20.41	-1.62	2.44
40.0	19.09	21.84	14.14	14.63	1.04	0.42	18.88	-2.05	2.38
50.0	19.11	21.90	14.28	14.90	1.04	0.43	21.79	-1.56	2.83
60.0	19.08	21.87	14.26	14.88	1.04	0.43	25.13	-1.37	2.12
70.0	19.06	21.84	14.27	14.88	1.04	0.43	16.59	-1.53	2.28
80.0	19.05	21.84	14.29	14.90	1.04	0.43	19.00	-1.56	2.33
90.0	19.04	21.83	14.13	14.73	1.04	0.43	18.19	-1.62	2.43
100.0	19.03	21.84	14.15	14.68	1.04	0.43	16.87	-2.00	2.31
200.0	18.98	21.86	14.24	14.81	1.04	0.44	16.55	-1.93	2.41
300.0	18.91	21.86	14.29	14.92	1.04	0.45	16.45	-1.89	2.33
400.0	18.83	21.86	14.36	15.04	1.05	0.46	16.73	-1.61	2.19
500.0	18.74	21.84	14.46	15.20	1.05	0.47	15.69	-1.79	2.25
600.0	18.61	21.83	14.53	15.35	1.05	0.49	15.32	-2.19	2.41
700.0	18.47	21.81	14.58	15.45	1.05	0.51	15.08	-2.20	2.41
800.0	18.33	21.79	14.60	15.58	1.06	0.52	14.92	-2.02	2.33
900.0	18.18	21.76	14.65	15.74	1.06	0.54	14.82	-2.02	2.38
1000.0	18.02	21.73	14.70	15.90	1.07	0.56	13.76	-2.05	2.45
1100.0	17.84	21.72	14.65	15.98	1.07	0.58	14.40	-2.35	2.50
1200.0	17.66	21.68	14.66	16.05	1.08	0.60	14.58	-2.35	2.44
1300.0	17.46	21.67	14.68	16.14	1.08	0.62	14.27	-2.42	2.52
1400.0	17.28	21.62	14.59	16.18	1.09	0.63	14.56	-2.48	2.52
1500.0	17.08	21.60	14.48	16.20	1.09	0.65	14.40	-2.40	2.55
1600.0	16.87	21.56	14.37	16.19	1.10	0.67	14.90	-1.95	2.53
1700.0	16.67	21.53	14.24	16.17	1.11	0.68	14.73	-2.67	2.54
1800.0	16.47	21.51	14.08	16.17	1.12	0.70	15.03	-2.29	2.58
1900.0	16.25	21.50	13.92	16.10	1.13	0.72	15.39	-2.34	2.52
2000.0	16.06	21.43	13.73	16.03	1.13	0.73	15.32	-2.15	2.50
2100.0	15.85	21.42	13.52	15.92	1.14	0.75	15.62	-1.63	2.55
2200.0	15.65	21.39	13.31	15.81	1.15	0.76	14.81	-2.24	2.55
2300.0	15.45	21.35	13.08	15.72	1.16	0.77	15.23	-1.72	2.55
2500.0	15.04	21.32	12.69	15.55	1.18	0.80	15.94	-1.45	2.56
3000.0	14.05	21.27	11.82	15.18	1.24	0.86	16.43	-0.82	2.70
3500.0	13.20	21.04	10.99	14.69	1.28	0.90	16.83	-0.71	2.60
4000.0	12.37	21.19	10.33	14.52	1.37	0.94	17.57	-0.63	2.87
4500.0	11.78	20.98	9.77	14.35	1.39	0.96	18.57	-0.46	2.91
5000.0	11.18	20.63	9.45	14.40	1.41	0.98	17.60	0.05	2.88
5500.0	10.82	20.45	8.95	13.88	1.40	1.00	16.18	0.33	3.03
6000.0	10.45	19.95	8.81	13.64	1.37	0.99	14.82	0.15	3.08

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 = 3.54V, Id = 20.00mA @ 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	22.37	24.56	20.55	19.01	1.03	0.38	20.83	6.85	2.37
30.0	22.36	24.49	20.69	18.50	1.03	0.36	19.59	6.53	2.32
40.0	22.39	24.51	20.82	18.07	1.03	0.36	20.81	5.93	2.29
50.0	22.31	24.59	20.95	17.64	1.03	0.38	21.85	6.70	2.00
60.0	22.33	24.48	20.96	17.68	1.03	0.36	21.85	6.92	1.97
70.0	22.34	24.51	20.96	17.67	1.03	0.37	19.01	6.65	2.20
80.0	22.32	24.52	20.98	17.64	1.03	0.37	18.82	6.64	2.22
90.0	22.32	24.51	21.05	17.88	1.03	0.37	20.25	6.54	2.25
100.0	22.30	24.52	21.05	17.97	1.03	0.37	20.08	6.05	2.17
200.0	22.22	24.53	21.11	17.99	1.03	0.39	20.37	6.20	2.16
300.0	22.09	24.52	21.28	18.04	1.03	0.40	20.31	6.07	2.10
400.0	21.96	24.49	21.49	18.09	1.04	0.42	21.15	6.60	2.16
500.0	21.78	24.44	21.67	18.09	1.04	0.44	20.29	6.39	2.18
600.0	21.59	24.39	21.96	18.14	1.05	0.46	19.42	5.90	2.27
700.0	21.36	24.33	22.37	18.30	1.05	0.48	19.50	5.86	2.22
800.0	21.13	24.25	23.01	18.45	1.06	0.50	19.38	6.16	2.25
900.0	20.89	24.17	23.61	18.50	1.06	0.51	19.63	6.21	2.28
1000.0	20.63	24.08	24.38	18.51	1.07	0.53	19.20	6.20	2.32
1100.0	20.37	24.00	25.23	18.61	1.08	0.55	19.12	5.73	2.31
1200.0	20.10	23.90	26.17	18.75	1.09	0.57	19.52	5.88	2.33
1300.0	19.82	23.82	27.21	18.87	1.10	0.59	19.63	5.77	2.39
1400.0	19.56	23.70	28.83	18.96	1.11	0.60	19.58	5.67	2.41
1500.0	19.28	23.59	30.49	19.06	1.12	0.62	19.67	5.81	2.42
1600.0	19.01	23.48	32.43	19.19	1.12	0.63	20.63	6.24	2.41
1700.0	18.74	23.36	33.79	19.27	1.13	0.64	19.88	5.42	2.45
1800.0	18.48	23.24	33.91	19.33	1.14	0.66	20.43	5.83	2.48
1900.0	18.19	23.14	32.62	19.49	1.15	0.67	20.83	5.74	2.38
2000.0	17.95	23.00	30.49	19.66	1.16	0.68	21.04	5.98	2.39
2100.0	17.69	22.88	28.40	19.83	1.17	0.69	21.08	6.48	2.45
2200.0	17.44	22.77	26.58	19.97	1.18	0.70	19.93	5.75	2.41
2300.0	17.19	22.63	25.12	20.14	1.18	0.71	20.55	6.26	2.43
2500.0	16.71	22.43	22.72	20.47	1.20	0.74	20.50	6.44	2.49
3000.0	15.56	21.90	18.64	21.79	1.25	0.78	20.44	6.86	2.57
3500.0	14.61	21.24	16.00	22.55	1.26	0.81	19.65	6.36	2.57
4000.0	13.67	20.93	14.19	23.26	1.31	0.85	19.04	6.06	2.72
4500.0	12.99	20.36	12.86	22.61	1.30	0.87	18.81	5.92	2.77
5000.0	12.31	19.78	12.01	21.99	1.30	0.89	17.99	5.61	2.74
5500.0	11.90	19.27	11.04	20.05	1.26	0.90	17.63	5.25	2.97
6000.0	11.49	18.58	10.50	19.13	1.22	0.89	16.89	4.75	2.89

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 = 16.00mA @ 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	22.13	24.21	24.94	23.78	1.03	0.37	17.23	3.50	1.88
30.0	22.10	24.16	25.23	22.79	1.03	0.37	16.36	3.13	1.82
40.0	22.14	24.15	25.58	21.94	1.03	0.36	17.63	2.57	1.79
50.0	22.06	24.30	25.91	21.10	1.03	0.39	18.18	3.24	1.80
60.0	22.08	24.23	26.26	21.26	1.03	0.38	18.34	3.48	1.50
70.0	22.08	24.16	26.39	21.33	1.03	0.37	15.85	3.25	1.65
80.0	22.07	24.15	26.58	21.36	1.03	0.37	15.70	3.25	1.69
90.0	22.07	24.16	26.72	21.80	1.03	0.37	17.10	3.13	1.74
100.0	22.06	24.16	26.90	22.00	1.03	0.37	16.72	2.68	1.67
200.0	21.99	24.15	27.03	22.02	1.03	0.38	16.95	2.83	1.70
300.0	21.89	24.13	26.26	21.42	1.03	0.39	16.96	2.76	1.66
400.0	21.78	24.11	26.56	21.47	1.03	0.40	17.65	3.20	1.57
500.0	21.63	24.07	26.77	21.45	1.04	0.42	16.89	3.07	1.64
600.0	21.46	24.03	26.79	21.17	1.04	0.44	16.15	2.59	1.70
700.0	21.26	23.97	27.00	21.22	1.05	0.45	16.14	2.57	1.70
800.0	21.06	23.90	27.50	21.20	1.05	0.47	16.01	2.89	1.66
900.0	20.85	23.83	28.09	21.04	1.06	0.49	16.23	2.91	1.69
1000.0	20.62	23.75	29.01	20.88	1.06	0.50	15.94	2.95	1.72
1100.0	20.38	23.67	29.58	20.68	1.07	0.52	15.81	2.50	1.74
1200.0	20.13	23.59	30.19	20.52	1.08	0.54	16.19	2.70	1.70
1300.0	19.88	23.51	31.65	20.54	1.08	0.56	16.21	2.53	1.77
1400.0	19.64	23.40	33.81	20.48	1.09	0.57	16.18	2.50	1.78
1500.0	19.39	23.31	36.32	20.33	1.10	0.58	16.26	2.60	1.80
1600.0	19.15	23.19	41.55	20.27	1.10	0.60	17.34	3.05	1.73
1700.0	18.89	23.10	50.80	20.25	1.11	0.61	16.54	2.25	1.77
1800.0	18.65	22.99	49.79	20.21	1.12	0.62	17.11	2.70	1.81
1900.0	18.39	22.87	39.80	20.29	1.13	0.64	17.60	2.60	1.75
2000.0	18.16	22.75	34.34	20.35	1.13	0.65	17.78	2.88	1.72
2100.0	17.92	22.65	31.12	20.40	1.14	0.66	18.01	3.44	1.78
2200.0	17.68	22.54	28.85	20.34	1.15	0.67	16.48	2.63	1.73
2300.0	17.45	22.40	27.24	20.31	1.15	0.68	17.36	3.20	1.77
2500.0	17.00	22.20	24.35	20.79	1.17	0.70	17.47	3.40	1.77
3000.0	15.93	21.67	19.80	22.23	1.20	0.75	18.34	4.14	1.87
3500.0	15.04	21.02	17.10	23.20	1.21	0.77	18.21	3.92	1.78
4000.0	14.22	20.51	15.34	23.79	1.23	0.80	18.21	4.12	1.93
4500.0	13.47	20.04	13.93	23.16	1.24	0.82	18.11	4.04	1.97
5000.0	12.90	19.53	13.35	22.01	1.24	0.83	18.02	4.32	1.93
5500.0	12.53	18.94	12.53	20.35	1.20	0.83	18.12	4.43	2.10
6000.0	12.07	18.35	11.98	20.03	1.19	0.83	17.64	4.12	2.03

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.72V, Id = 12.00mA @ 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)			(dBm)	(dBm)	(dB)
20.0	20.15	22.49	18.17	18.22	1.03	0.39	16.10	-1.68	1.98
30.0	20.10	22.47	18.05	18.69	1.03	0.40	17.17	-2.01	1.83
40.0	20.13	22.47	17.91	19.07	1.03	0.40	18.91	-2.46	1.81
50.0	20.13	22.51	17.79	19.44	1.03	0.41	16.88	-1.94	2.33
60.0	20.11	22.45	17.69	19.36	1.03	0.40	18.92	-1.77	1.61
70.0	20.09	22.48	17.69	19.30	1.03	0.41	14.53	-1.96	1.69
80.0	20.08	22.47	17.65	19.28	1.03	0.41	14.94	-1.96	1.72
90.0	20.07	22.47	17.54	18.91	1.03	0.41	15.90	-2.05	1.86
100.0	20.07	22.47	17.50	18.77	1.03	0.41	14.62	-2.40	1.73
200.0	20.02	22.48	17.57	18.88	1.03	0.41	14.62	-2.30	1.86
300.0	19.96	22.47	17.95	19.42	1.04	0.42	14.88	-2.30	1.73
400.0	19.88	22.45	17.99	19.51	1.04	0.43	15.24	-2.02	1.54
500.0	19.78	22.43	18.05	19.64	1.04	0.44	14.18	-2.19	1.62
600.0	19.66	22.41	18.26	20.00	1.04	0.46	13.85	-2.52	1.81
700.0	19.51	22.38	18.33	20.06	1.05	0.48	13.62	-2.54	1.79
800.0	19.37	22.34	18.43	20.22	1.05	0.49	13.32	-2.38	1.71
900.0	19.21	22.30	18.55	20.50	1.05	0.50	13.39	-2.33	1.73
1000.0	19.04	22.26	18.57	20.62	1.06	0.52	12.50	-2.38	1.77
1100.0	18.86	22.23	18.64	20.72	1.06	0.54	12.95	-2.70	1.84
1200.0	18.67	22.17	18.79	20.83	1.07	0.56	13.17	-2.57	1.80
1300.0	18.47	22.15	18.75	20.84	1.08	0.58	12.93	-2.69	1.83
1400.0	18.28	22.09	18.61	20.75	1.08	0.59	13.13	-2.75	1.82
1500.0	18.08	22.05	18.53	20.65	1.09	0.61	13.00	-2.63	1.89
1600.0	17.87	22.00	18.31	20.53	1.09	0.62	13.55	-2.19	1.85
1700.0	17.66	21.95	18.07	20.33	1.10	0.64	13.31	-2.91	1.84
1800.0	17.45	21.90	17.86	20.15	1.11	0.65	13.51	-2.55	1.85
1900.0	17.23	21.85	17.61	19.93	1.11	0.67	13.89	-2.62	1.82
2000.0	17.03	21.78	17.27	19.77	1.12	0.68	13.84	-2.40	1.80
2100.0	16.82	21.73	16.93	19.58	1.13	0.70	14.11	-1.86	1.84
2200.0	16.62	21.70	16.62	19.33	1.14	0.71	13.22	-2.50	1.81
2300.0	16.41	21.62	16.33	19.06	1.14	0.72	13.64	-2.00	1.86
2500.0	16.00	21.55	15.64	18.53	1.16	0.75	14.12	-1.71	1.78
3000.0	15.03	21.33	14.19	18.04	1.20	0.80	14.71	-1.04	1.92
3500.0	14.20	20.96	13.08	17.32	1.23	0.84	15.05	-1.02	1.79
4000.0	13.45	20.69	12.27	17.15	1.26	0.87	15.65	-0.75	2.06
4500.0	12.76	20.42	11.51	16.83	1.29	0.89	16.50	-0.60	2.02
5000.0	12.23	20.10	11.30	16.64	1.30	0.91	17.21	0.00	1.97
5500.0	11.89	19.66	10.80	15.98	1.27	0.91	17.82	0.60	2.16
6000.0	11.44	19.18	10.57	15.84	1.26	0.91	17.44	0.47	2.12

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 = 3.75V, Id = 20.00mA @ 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	23.06	25.35	16.43	15.09	1.03	0.36	20.22	6.90	1.79
30.0	23.04	25.24	16.42	14.74	1.02	0.34	18.88	6.59	1.78
40.0	23.07	25.25	16.45	14.44	1.02	0.33	20.43	5.96	1.78
50.0	22.98	25.48	16.49	14.16	1.03	0.38	21.56	6.72	1.45
60.0	23.01	25.27	16.56	14.22	1.02	0.35	21.27	6.99	1.52
70.0	23.02	25.25	16.57	14.25	1.02	0.34	18.73	6.66	1.66
80.0	23.01	25.25	16.62	14.26	1.02	0.34	18.56	6.67	1.68
90.0	23.01	25.25	16.73	14.45	1.02	0.35	19.97	6.56	1.70
100.0	23.00	25.24	16.83	14.54	1.02	0.35	20.07	6.05	1.67
200.0	22.92	25.24	16.98	14.62	1.03	0.36	20.31	6.23	1.62
300.0	22.79	25.21	16.81	14.44	1.03	0.37	20.20	6.10	1.61
400.0	22.66	25.15	17.03	14.56	1.03	0.38	21.04	6.63	1.59
500.0	22.49	25.08	17.25	14.67	1.03	0.40	20.28	6.50	1.63
600.0	22.28	25.00	17.39	14.68	1.03	0.42	19.36	5.95	1.70
700.0	22.05	24.90	17.66	14.87	1.04	0.44	19.56	5.98	1.66
800.0	21.82	24.78	18.00	15.03	1.04	0.46	19.44	6.27	1.65
900.0	21.58	24.67	18.36	15.11	1.05	0.47	19.75	6.32	1.68
1000.0	21.32	24.55	18.87	15.26	1.05	0.49	19.42	6.35	1.70
1100.0	21.05	24.43	19.24	15.34	1.06	0.51	19.25	5.81	1.72
1200.0	20.78	24.29	19.64	15.44	1.06	0.52	19.64	6.03	1.71
1300.0	20.51	24.17	20.28	15.63	1.07	0.54	19.81	5.88	1.76
1400.0	20.24	24.01	21.03	15.80	1.08	0.55	19.74	5.82	1.77
1500.0	19.97	23.88	21.77	15.92	1.09	0.57	19.84	5.92	1.76
1600.0	19.71	23.73	22.77	16.08	1.09	0.58	20.91	6.35	1.72
1700.0	19.42	23.57	23.82	16.27	1.10	0.59	20.16	5.52	1.78
1800.0	19.17	23.44	24.89	16.44	1.11	0.60	20.76	5.99	1.81
1900.0	18.89	23.28	26.44	16.69	1.11	0.61	21.18	5.86	1.72
2000.0	18.65	23.11	28.55	16.90	1.12	0.62	21.44	6.13	1.75
2100.0	18.39	22.98	31.41	17.11	1.13	0.63	21.57	6.67	1.78
2200.0	18.15	22.84	35.15	17.27	1.13	0.64	20.19	5.84	1.71
2300.0	17.91	22.66	41.63	17.45	1.14	0.65	21.04	6.43	1.72
2500.0	17.43	22.40	40.07	18.26	1.15	0.67	20.98	6.59	1.76
3000.0	16.33	21.72	24.39	20.44	1.18	0.71	21.24	7.25	1.88
3500.0	15.41	20.96	19.75	23.24	1.19	0.73	20.72	6.83	1.77
4000.0	14.56	20.36	17.13	26.07	1.20	0.76	20.22	6.75	1.83
4500.0	13.79	19.82	15.18	27.12	1.21	0.79	19.85	6.59	1.97
5000.0	13.19	19.24	14.44	25.18	1.20	0.79	19.22	6.53	1.93
5500.0	12.81	18.61	13.41	22.78	1.17	0.79	19.01	6.33	2.03
6000.0	12.34	17.99	12.68	22.53	1.15	0.79	18.51	5.88	2.05

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 = 3.32V, Id = 16.00mA @ 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	20.50	22.80	23.73	24.09	1.03	0.41	20.59	3.76	3.00
30.0	20.47	22.79	23.44	24.56	1.03	0.41	19.25	3.41	2.94
40.0	20.48	22.80	23.10	24.93	1.03	0.41	21.20	2.94	2.91
50.0	20.51	22.78	22.80	25.34	1.03	0.40	20.30	3.53	2.90
60.0	20.45	22.86	22.90	25.66	1.04	0.42	21.26	3.73	2.54
70.0	20.45	22.79	23.07	25.85	1.04	0.41	18.02	3.50	2.80
80.0	20.44	22.79	23.19	26.03	1.04	0.42	17.74	3.52	2.83
90.0	20.43	22.79	23.18	25.93	1.04	0.42	18.97	3.42	2.88
100.0	20.43	22.80	23.17	25.99	1.04	0.42	18.08	3.02	2.80
200.0	20.34	22.83	23.43	26.65	1.04	0.43	18.46	3.16	2.79
300.0	20.24	22.84	22.73	25.86	1.04	0.45	18.56	3.06	2.82
400.0	20.12	22.85	22.42	25.66	1.05	0.46	19.27	3.42	2.74
500.0	19.97	22.83	22.56	25.92	1.05	0.48	18.21	3.24	2.78
600.0	19.82	22.84	22.39	25.58	1.06	0.50	17.55	2.81	2.90
700.0	19.62	22.82	21.95	25.03	1.06	0.52	17.40	2.74	2.91
800.0	19.42	22.80	21.44	24.68	1.07	0.54	17.30	2.99	2.86
900.0	19.21	22.77	21.09	24.37	1.08	0.56	17.43	3.01	2.91
1000.0	18.99	22.74	20.91	23.66	1.09	0.58	16.67	2.94	2.96
1100.0	18.76	22.72	20.61	23.20	1.10	0.60	16.97	2.60	3.01
1200.0	18.52	22.68	20.08	22.87	1.10	0.62	17.33	2.67	2.98
1300.0	18.27	22.65	19.64	22.47	1.12	0.64	17.12	2.61	3.06
1400.0	18.03	22.60	19.30	22.05	1.13	0.66	17.20	2.47	3.07
1500.0	17.78	22.55	18.93	21.57	1.14	0.67	17.22	2.61	3.11
1600.0	17.55	22.51	18.51	21.22	1.15	0.69	18.13	3.08	3.07
1700.0	17.29	22.46	18.01	20.94	1.16	0.71	17.50	2.31	3.12
1800.0	17.02	22.41	17.61	20.61	1.17	0.73	18.00	2.67	3.17
1900.0	16.78	22.37	17.16	20.40	1.18	0.74	18.40	2.64	3.12
2000.0	16.53	22.30	16.68	20.23	1.19	0.75	18.47	2.84	3.13
2100.0	16.29	22.23	16.21	20.01	1.20	0.77	18.63	3.34	3.15
2200.0	16.05	22.18	15.77	19.71	1.21	0.78	17.55	2.72	3.16
2300.0	15.81	22.12	15.34	19.49	1.22	0.79	18.08	3.21	3.21
2500.0	15.34	21.99	14.65	19.25	1.25	0.82	18.26	3.42	3.25
3000.0	14.21	21.74	13.13	18.56	1.31	0.87	18.34	3.94	3.39
3500.0	13.25	21.40	11.96	17.82	1.35	0.91	17.73	3.67	3.37
4000.0	12.29	21.50	11.06	17.56	1.46	0.95	17.32	3.39	3.56
4500.0	11.56	20.70	10.15	16.70	1.42	0.97	17.13	3.29	3.69
5000.0	10.95	20.60	9.51	16.34	1.46	0.99	16.13	3.07	3.67
5500.0	10.43	20.10	9.02	15.69	1.43	1.01	15.48	2.67	3.89
6000.0	10.11	19.61	8.71	15.06	1.39	1.01	14.46	2.17	3.93

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 = 3.30V, Id = 12.00mA @ 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	18.22	21.37	12.46	12.30	1.04	0.43	17.11	-0.82	3.11
30.0	18.19	21.38	12.38	12.36	1.04	0.44	17.70	-1.20	3.08
40.0	18.21	21.40	12.32	12.40	1.04	0.44	17.20	-1.59	3.04
50.0	18.26	21.30	12.29	12.44	1.04	0.42	31.17	-1.00	3.41
60.0	18.19	21.36	12.32	12.51	1.04	0.44	20.16	-0.95	2.76
70.0	18.19	21.37	12.35	12.55	1.04	0.44	17.38	-1.04	2.91
80.0	18.19	21.37	12.38	12.58	1.05	0.44	25.15	-1.08	2.96
90.0	18.18	21.36	12.40	12.56	1.05	0.44	18.99	-1.18	3.01
100.0	18.17	21.37	12.44	12.58	1.05	0.44	18.62	-1.48	2.93
200.0	18.12	21.39	12.58	12.79	1.05	0.46	17.98	-1.44	3.00
300.0	18.04	21.41	12.45	12.72	1.05	0.47	17.19	-1.41	2.95
400.0	17.95	21.42	12.45	12.76	1.05	0.48	17.36	-1.17	2.81
500.0	17.85	21.40	12.58	12.97	1.06	0.50	16.67	-1.38	2.85
600.0	17.74	21.40	12.62	13.07	1.06	0.51	16.16	-1.71	3.07
700.0	17.58	21.40	12.59	13.09	1.06	0.53	15.90	-1.76	3.02
800.0	17.44	21.39	12.52	13.17	1.07	0.55	15.98	-1.66	2.99
900.0	17.29	21.37	12.52	13.30	1.07	0.57	15.73	-1.62	3.04
1000.0	17.12	21.34	12.59	13.40	1.07	0.59	14.68	-1.75	3.08
1100.0	16.95	21.34	12.57	13.46	1.08	0.61	15.38	-2.00	3.12
1200.0	16.77	21.31	12.47	13.52	1.08	0.63	15.50	-2.01	3.10
1300.0	16.57	21.30	12.42	13.58	1.09	0.65	15.16	-2.04	3.17
1400.0	16.38	21.27	12.39	13.63	1.10	0.66	15.52	-2.16	3.17
1500.0	16.18	21.25	12.33	13.67	1.10	0.68	15.40	-2.05	3.25
1600.0	16.01	21.25	12.22	13.72	1.11	0.70	15.89	-1.59	3.20
1700.0	15.78	21.22	12.10	13.76	1.12	0.72	15.71	-2.25	3.20
1800.0	15.56	21.21	12.00	13.76	1.13	0.74	16.10	-1.99	3.25
1900.0	15.36	21.19	11.84	13.78	1.14	0.75	16.41	-2.02	3.22
2000.0	15.15	21.17	11.66	13.79	1.14	0.77	16.38	-1.81	3.21
2100.0	14.95	21.14	11.48	13.80	1.15	0.79	16.67	-1.25	3.27
2200.0	14.75	21.13	11.31	13.74	1.16	0.80	16.00	-1.78	3.28
2300.0	14.54	21.11	11.15	13.69	1.17	0.81	16.42	-1.38	3.29
2500.0	14.12	21.09	10.86	13.68	1.20	0.84	17.16	-1.01	3.33
3000.0	13.12	21.08	10.16	13.54	1.26	0.90	17.29	-0.39	3.49
3500.0	12.25	21.06	9.58	13.25	1.33	0.94	17.06	-0.30	3.44
4000.0	11.36	21.50	9.10	13.23	1.47	0.99	17.26	-0.34	3.63
4500.0	10.69	20.91	8.52	12.87	1.44	1.01	16.76	-0.23	3.78
5000.0	10.13	21.13	8.15	12.81	1.53	1.03	15.40	0.03	3.76
5500.0	9.65	20.85	7.89	12.57	1.53	1.05	14.16	0.02	3.95
6000.0	9.37	20.56	7.77	12.29	1.51	1.05	12.92	-0.32	3.95

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 = 3.34V, Id = 20.00mA @ 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	21.70	23.84	28.75	23.47	1.03	0.38	21.98	6.97	2.89
30.0	21.66	23.84	29.07	23.58	1.03	0.39	20.39	6.62	2.89
40.0	21.67	23.84	29.21	23.76	1.03	0.39	21.75	6.05	2.88
50.0	21.68	23.85	29.27	23.92	1.03	0.39	22.21	6.75	2.56
60.0	21.63	23.89	29.34	23.65	1.03	0.40	22.32	6.98	2.56
70.0	21.63	23.84	28.96	23.48	1.03	0.39	19.57	6.72	2.79
80.0	21.62	23.85	28.71	23.33	1.03	0.39	19.35	6.70	2.80
90.0	21.61	23.85	28.48	23.42	1.03	0.40	20.65	6.60	2.82
100.0	21.60	23.86	28.24	23.38	1.03	0.40	20.28	6.14	2.78
200.0	21.50	23.88	27.87	23.00	1.04	0.41	20.67	6.30	2.74
300.0	21.38	23.87	29.17	23.59	1.04	0.43	20.66	6.15	2.80
400.0	21.25	23.86	29.81	23.80	1.04	0.45	21.42	6.63	2.73
500.0	21.06	23.83	29.31	23.31	1.05	0.47	20.50	6.43	2.74
600.0	20.88	23.82	29.53	23.18	1.06	0.49	19.68	5.91	2.89
700.0	20.65	23.78	30.06	23.47	1.06	0.51	19.75	5.91	2.83
800.0	20.42	23.73	30.74	23.58	1.07	0.53	19.62	6.17	2.91
900.0	20.17	23.68	30.53	23.37	1.08	0.55	19.82	6.16	2.90
1000.0	19.92	23.62	29.85	22.95	1.09	0.57	19.20	6.13	2.92
1100.0	19.66	23.56	29.52	22.82	1.10	0.59	19.35	5.69	2.96
1200.0	19.38	23.50	28.94	22.82	1.11	0.61	19.70	5.79	2.96
1300.0	19.10	23.44	27.93	22.73	1.12	0.63	19.64	5.72	3.03
1400.0	18.83	23.35	27.05	22.53	1.13	0.65	19.63	5.60	3.06
1500.0	18.55	23.26	26.11	22.22	1.14	0.66	19.67	5.73	3.07
1600.0	18.29	23.20	25.15	22.00	1.15	0.68	20.58	6.14	3.06
1700.0	18.01	23.10	24.08	21.89	1.16	0.69	19.96	5.34	3.11
1800.0	17.71	23.02	23.21	21.74	1.18	0.71	20.40	5.69	3.14
1900.0	17.45	22.93	22.17	21.71	1.19	0.72	20.74	5.60	3.08
2000.0	17.19	22.83	21.17	21.73	1.20	0.74	20.81	5.84	3.09
2100.0	16.93	22.73	20.28	21.60	1.21	0.75	20.76	6.28	3.15
2200.0	16.67	22.64	19.48	21.45	1.22	0.76	19.81	5.65	3.16
2300.0	16.42	22.54	18.73	21.42	1.23	0.77	20.20	6.13	3.16
2500.0	15.92	22.35	17.52	21.42	1.25	0.79	20.11	6.30	3.21
3000.0	14.74	21.92	15.16	21.11	1.30	0.84	19.55	6.44	3.37
3500.0	13.74	21.44	13.46	20.65	1.34	0.88	18.65	5.81	3.34
4000.0	12.75	21.37	12.24	20.51	1.42	0.93	17.97	5.33	3.54
4500.0	11.99	20.48	11.08	19.34	1.38	0.94	17.65	5.05	3.66
5000.0	11.37	20.23	10.27	18.72	1.40	0.96	16.63	4.48	3.70
5500.0	10.82	19.68	9.66	17.70	1.37	0.98	16.09	3.98	3.87
6000.0	10.49	19.13	9.21	16.81	1.32	0.98	15.19	3.39	3.88