

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 = 5V, Id = 49.39 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)
400.00	12.53	51.90	0.71	1.72	3.03	0.59	19.66	7.66	2.35
500.00	19.09	43.94	1.13	1.88	1.43	0.54	23.54	11.85	1.26
600.00	22.01	39.53	2.10	2.86	1.32	0.61	25.10	13.73	1.02
700.00	23.51	36.80	3.72	4.21	1.33	0.66	26.31	15.03	0.68
800.00	24.09	35.14	5.97	5.82	1.38	0.70	27.65	16.17	0.63
900.00	24.18	34.16	8.53	7.32	1.42	0.73	28.86	17.29	0.51
1000.00	23.94	33.55	11.19	8.61	1.47	0.75	29.87	18.12	0.46
1100.00	23.56	33.18	13.84	9.70	1.53	0.78	30.89	18.60	0.49
1200.00	23.12	32.76	16.18	10.56	1.56	0.80	31.42	18.94	0.45
1300.00	22.65	32.69	17.98	11.24	1.64	0.82	31.84	19.24	0.40
1400.00	22.19	32.42	18.89	11.75	1.67	0.83	32.28	19.32	0.41
1500.00	21.73	32.24	19.02	12.13	1.72	0.85	32.55	19.75	0.39
1600.00	21.29	32.19	18.68	12.35	1.79	0.87	32.53	19.63	0.44
1700.00	20.84	31.87	18.14	12.44	1.80	0.87	32.99	19.60	0.42
1800.00	20.42	31.77	17.55	12.40	1.85	0.88	32.93	19.29	0.44
1900.00	19.99	31.46	16.97	12.23	1.86	0.89	32.78	19.84	0.48
2000.00	19.57	31.37	16.40	11.98	1.91	0.89	32.86	20.15	0.48
2100.00	19.16	31.24	15.96	11.68	1.95	0.90	32.79	20.21	0.49
2200.00	18.76	31.09	15.52	11.34	1.98	0.90	33.14	20.41	0.50
2300.00	18.38	31.03	15.09	10.95	2.02	0.90	33.00	19.94	0.56
2400.00	17.99	30.84	14.74	10.58	2.04	0.90	32.98	19.60	0.63
2500.00	17.61	30.67	14.40	10.18	2.05	0.90	32.78	20.15	0.60
2600.00	17.23	30.54	14.14	9.84	2.08	0.89	32.79	19.86	0.58
2700.00	16.89	30.44	13.83	9.46	2.11	0.89	32.88	19.96	0.64
2800.00	16.54	30.25	13.61	9.12	2.11	0.88	32.90	19.39	0.69
2900.00	16.19	30.12	13.40	8.82	2.13	0.88	32.94	19.40	0.73
3000.00	15.87	29.85	13.20	8.52	2.12	0.87	32.85	19.27	0.69
3100.00	15.53	29.74	13.05	8.27	2.14	0.87	32.76	19.50	0.76
3200.00	15.22	29.56	12.92	8.01	2.14	0.86	32.48	19.44	0.75
3300.00	14.92	29.36	12.80	7.79	2.14	0.86	32.91	18.28	0.83
3400.00	14.63	29.26	12.73	7.57	2.16	0.85	32.98	18.76	0.83
3500.00	14.34	28.98	12.64	7.38	2.14	0.84	32.50	18.57	0.88
3600.00	14.06	28.78	12.59	7.21	2.13	0.84	32.43	18.58	0.94
3700.00	13.78	28.62	12.62	7.07	2.14	0.83	32.72	18.28	1.00
3800.00	13.53	28.27	12.60	6.91	2.10	0.82	32.75	17.92	1.05
3900.00	13.27	28.14	12.64	6.79	2.11	0.82	32.70	17.35	1.12
4000.00	13.02	27.87	12.70	6.68	2.09	0.81	32.90	17.24	1.12
4100.00	12.76	27.64	12.75	6.58	2.09	0.81	32.45	16.89	1.25
4200.00	12.52	27.43	12.84	6.50	2.08	0.80	32.18	16.51	1.25
4300.00	12.28	27.23	12.97	6.44	2.09	0.80	32.38	16.26	1.24

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 = 4.75V, Id = 44.98 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)
400.00	12.24	51.89	0.70	1.72	3.08	0.59	19.02	7.20	2.36
500.00	18.84	43.59	1.09	1.88	1.39	0.54	22.75	11.01	1.28
600.00	21.80	39.22	2.02	2.84	1.29	0.61	24.33	12.94	1.03
700.00	23.34	36.58	3.60	4.18	1.32	0.66	25.60	14.43	0.72
800.00	23.96	35.13	5.78	5.79	1.38	0.71	26.94	15.77	0.62
900.00	24.07	33.95	8.30	7.32	1.41	0.73	28.28	16.91	0.53
1000.00	23.85	33.41	10.94	8.63	1.46	0.75	29.12	17.99	0.45
1100.00	23.47	33.03	13.49	9.73	1.52	0.78	30.16	18.55	0.50
1200.00	23.03	32.72	15.73	10.60	1.57	0.80	30.85	18.96	0.43
1300.00	22.56	32.49	17.35	11.28	1.62	0.82	31.35	19.25	0.42
1400.00	22.10	32.28	18.16	11.81	1.66	0.84	31.76	19.41	0.43
1500.00	21.64	32.06	18.24	12.18	1.70	0.85	32.17	19.75	0.41
1600.00	21.19	31.97	17.94	12.41	1.76	0.87	32.14	19.75	0.46
1700.00	20.75	31.76	17.45	12.48	1.80	0.88	32.56	19.75	0.42
1800.00	20.32	31.64	16.90	12.43	1.84	0.89	32.55	19.46	0.45
1900.00	19.89	31.49	16.35	12.26	1.88	0.89	32.74	19.87	0.50
2000.00	19.48	31.30	15.88	12.01	1.91	0.90	32.48	20.18	0.49
2100.00	19.06	31.22	15.45	11.69	1.95	0.90	32.41	20.17	0.50
2200.00	18.67	31.08	15.03	11.35	1.98	0.90	32.60	20.37	0.50
2300.00	18.28	30.84	14.64	10.98	1.99	0.90	32.59	19.96	0.57
2400.00	17.89	30.76	14.34	10.59	2.03	0.90	32.64	19.77	0.62
2500.00	17.51	30.64	14.04	10.21	2.06	0.90	32.24	20.03	0.61
2600.00	17.13	30.45	13.80	9.85	2.07	0.90	32.38	19.77	0.58
2700.00	16.79	30.27	13.52	9.46	2.08	0.89	32.37	19.69	0.65
2800.00	16.44	30.16	13.32	9.15	2.11	0.89	32.41	19.28	0.69
2900.00	16.10	30.01	13.12	8.82	2.12	0.88	32.50	19.20	0.76
3000.00	15.77	29.82	12.94	8.54	2.12	0.88	32.32	19.02	0.70
3100.00	15.44	29.70	12.82	8.27	2.15	0.87	32.14	19.15	0.78
3200.00	15.13	29.55	12.69	8.02	2.15	0.87	31.89	19.01	0.78
3300.00	14.83	29.37	12.58	7.80	2.15	0.86	32.54	18.19	0.83
3400.00	14.54	29.15	12.53	7.58	2.14	0.85	32.44	18.25	0.85
3500.00	14.25	28.88	12.45	7.39	2.13	0.85	31.99	18.12	0.92
3600.00	13.97	28.71	12.43	7.21	2.13	0.84	31.89	18.04	0.96
3700.00	13.69	28.47	12.45	7.09	2.12	0.84	32.11	17.78	1.00
3800.00	13.44	28.30	12.45	6.92	2.12	0.83	32.01	17.72	1.08
3900.00	13.18	28.04	12.49	6.80	2.10	0.82	32.02	16.83	1.07
4000.00	12.93	27.80	12.54	6.70	2.09	0.82	32.19	16.76	1.11
4100.00	12.67	27.58	12.64	6.59	2.09	0.81	31.66	16.27	1.21
4200.00	12.44	27.37	12.72	6.50	2.08	0.81	31.48	15.87	1.29
4300.00	12.19	27.20	12.84	6.46	2.10	0.80	31.59	15.74	1.22

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 = 5.25V, Id = 53.90 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)
400.00	12.78	52.14	0.72	1.72	3.09	0.59	20.30	8.65	2.35
500.00	19.31	43.90	1.17	1.89	1.42	0.54	24.23	12.52	1.26
600.00	22.19	39.60	2.17	2.88	1.33	0.61	25.82	14.30	1.05
700.00	23.65	37.01	3.84	4.24	1.35	0.66	26.95	15.45	0.69
800.00	24.20	35.24	6.12	5.85	1.39	0.70	28.12	16.40	0.63
900.00	24.27	34.33	8.72	7.34	1.44	0.73	29.53	17.42	0.60
1000.00	24.02	33.69	11.43	8.61	1.48	0.75	30.08	18.08	0.45
1100.00	23.63	33.26	14.13	9.69	1.53	0.78	30.96	18.45	0.48
1200.00	23.19	33.05	16.58	10.55	1.59	0.80	31.48	18.65	0.42
1300.00	22.72	32.73	18.48	11.22	1.63	0.82	32.04	18.84	0.40
1400.00	22.26	32.59	19.50	11.74	1.69	0.84	32.12	18.94	0.43
1500.00	21.81	32.35	19.73	12.13	1.73	0.85	32.42	19.32	0.41
1600.00	21.36	32.10	19.38	12.34	1.76	0.86	32.26	19.29	0.42
1700.00	20.92	31.99	18.77	12.43	1.81	0.87	32.65	19.16	0.42
1800.00	20.49	31.84	18.15	12.40	1.86	0.88	32.18	18.79	0.45
1900.00	20.07	31.60	17.52	12.22	1.88	0.88	32.37	19.41	0.47
2000.00	19.65	31.51	16.92	12.00	1.93	0.89	32.47	19.75	0.48
2100.00	19.23	31.33	16.39	11.67	1.95	0.89	32.66	19.86	0.46
2200.00	18.84	31.19	15.93	11.34	1.98	0.90	32.87	20.10	0.52
2300.00	18.46	31.01	15.46	10.96	2.01	0.89	32.61	19.69	0.57
2400.00	18.06	30.90	15.09	10.58	2.04	0.89	32.40	19.36	0.60
2500.00	17.68	30.72	14.73	10.19	2.06	0.89	32.59	19.98	0.59
2600.00	17.31	30.57	14.42	9.84	2.08	0.89	32.24	19.71	0.58
2700.00	16.96	30.35	14.10	9.46	2.08	0.88	32.78	19.87	0.64
2800.00	16.61	30.27	13.86	9.13	2.11	0.88	32.57	19.21	0.68
2900.00	16.27	30.14	13.62	8.81	2.13	0.88	32.47	19.21	0.73
3000.00	15.94	29.97	13.42	8.52	2.13	0.87	32.65	19.23	0.67
3100.00	15.61	29.74	13.25	8.26	2.13	0.86	32.56	19.43	0.79
3200.00	15.30	29.66	13.10	8.01	2.15	0.86	32.58	19.59	0.77
3300.00	14.99	29.40	12.95	7.79	2.14	0.85	32.32	18.15	0.84
3400.00	14.70	29.23	12.87	7.57	2.14	0.85	32.55	18.68	0.84
3500.00	14.41	29.08	12.78	7.38	2.15	0.84	32.29	18.61	0.90
3600.00	14.13	28.81	12.73	7.20	2.13	0.83	32.50	18.65	0.96
3700.00	13.85	28.57	12.73	7.08	2.12	0.83	32.57	18.38	1.01
3800.00	13.60	28.40	12.71	6.91	2.12	0.82	32.58	18.18	1.07
3900.00	13.34	28.22	12.74	6.80	2.12	0.82	32.18	17.57	1.09
4000.00	13.08	27.96	12.79	6.68	2.10	0.81	32.36	17.35	1.13
4100.00	12.83	27.74	12.86	6.58	2.10	0.81	32.28	17.74	1.21
4200.00	12.59	27.49	12.93	6.49	2.08	0.80	32.10	17.07	1.30
4300.00	12.34	27.35	13.03	6.45	2.10	0.80	32.26	16.67	1.21

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 = 55.39 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)
400.00	13.25	52.83	0.63	1.46	2.62	0.52	20.30	8.83	1.81
500.00	20.03	44.01	1.08	1.76	1.31	0.50	24.77	13.25	0.86
600.00	22.85	39.84	2.13	2.74	1.28	0.57	26.54	15.28	0.69
700.00	24.25	37.23	3.83	4.10	1.31	0.63	27.73	16.76	0.40
800.00	24.73	35.42	6.12	5.71	1.35	0.68	29.09	17.96	0.40
900.00	24.77	34.64	8.65	7.16	1.40	0.71	30.34	19.04	0.30
1000.00	24.51	34.02	11.22	8.31	1.44	0.74	31.43	19.81	0.25
1100.00	24.13	33.39	13.87	9.37	1.47	0.76	32.21	20.07	0.28
1200.00	23.70	33.13	16.34	10.23	1.52	0.78	32.38	20.13	0.24
1300.00	23.24	32.70	18.46	10.92	1.55	0.80	33.42	20.31	0.22
1400.00	22.79	32.45	20.37	11.48	1.59	0.81	34.32	20.40	0.23
1500.00	22.35	32.31	21.56	11.99	1.64	0.83	34.20	20.58	0.21
1600.00	21.92	31.94	21.48	12.34	1.65	0.84	34.70	20.54	0.24
1700.00	21.49	31.82	20.97	12.46	1.70	0.85	35.42	20.56	0.22
1800.00	21.07	31.68	20.43	12.38	1.74	0.86	35.37	20.34	0.25
1900.00	20.65	31.41	19.68	12.30	1.76	0.86	35.53	20.71	0.27
2000.00	20.25	31.31	18.87	12.19	1.80	0.87	35.03	21.01	0.28
2100.00	19.83	31.06	18.14	11.84	1.82	0.87	35.45	21.01	0.26
2200.00	19.44	31.02	17.51	11.45	1.86	0.87	36.14	21.07	0.29
2300.00	19.07	30.83	16.94	11.17	1.88	0.88	36.03	20.72	0.33
2400.00	18.69	30.64	16.40	10.87	1.90	0.88	35.76	20.56	0.39
2500.00	18.30	30.47	15.78	10.41	1.91	0.88	36.26	20.95	0.38
2600.00	17.91	30.32	15.24	9.95	1.93	0.87	35.91	20.73	0.36
2700.00	17.56	30.15	14.72	9.53	1.94	0.87	36.24	20.66	0.39
2800.00	17.22	30.01	14.38	9.19	1.95	0.86	36.30	20.29	0.39
2900.00	16.88	29.92	14.02	8.86	1.97	0.86	36.62	20.25	0.44
3000.00	16.54	29.65	13.71	8.55	1.96	0.85	36.40	20.17	0.38
3100.00	16.21	29.49	13.45	8.27	1.97	0.85	35.94	20.23	0.48
3200.00	15.91	29.35	13.23	8.02	1.97	0.84	36.39	20.14	0.50
3300.00	15.60	29.17	13.02	7.79	1.97	0.84	36.21	19.33	0.53
3400.00	15.30	28.94	12.80	7.53	1.96	0.83	36.64	19.60	0.52
3500.00	15.01	28.78	12.57	7.31	1.95	0.83	36.11	19.57	0.56
3600.00	14.73	28.60	12.44	7.14	1.95	0.82	36.26	19.53	0.58
3700.00	14.45	28.43	12.41	7.00	1.96	0.82	37.01	19.34	0.66
3800.00	14.20	28.14	12.34	6.79	1.92	0.81	36.52	18.97	0.67
3900.00	13.94	27.92	12.37	6.64	1.91	0.80	36.92	18.65	0.69
4000.00	13.71	27.60	12.43	6.56	1.89	0.80	36.62	18.51	0.73
4100.00	13.47	27.45	12.45	6.49	1.90	0.79	36.59	18.65	0.81
4200.00	13.25	27.21	12.48	6.42	1.88	0.79	36.02	18.30	0.85
4300.00	13.01	27.02	12.58	6.34	1.88	0.79	36.88	18.18	0.80

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 = 4.75V, Id =51.29 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)
400.00	13.05	51.53	0.62	1.47	2.40	0.52	19.84	8.47	1.84
500.00	19.85	44.12	1.05	1.75	1.32	0.50	24.32	12.81	0.84
600.00	22.70	39.67	2.08	2.74	1.27	0.57	26.10	14.91	0.69
700.00	24.13	37.18	3.75	4.08	1.31	0.64	27.19	16.36	0.40
800.00	24.64	35.54	6.01	5.70	1.36	0.69	28.56	17.67	0.40
900.00	24.70	34.44	8.52	7.15	1.39	0.71	29.95	18.77	0.82
1000.00	24.44	33.87	11.07	8.31	1.44	0.74	30.90	19.53	0.24
1100.00	24.06	33.38	13.72	9.39	1.48	0.76	31.87	19.78	0.30
1200.00	23.63	33.08	16.13	10.26	1.53	0.78	32.04	19.86	0.25
1300.00	23.17	32.67	18.23	10.94	1.55	0.80	33.06	20.06	0.21
1400.00	22.72	32.46	20.04	11.52	1.60	0.82	33.66	20.17	0.23
1500.00	22.28	32.15	21.09	12.03	1.63	0.83	33.77	20.34	0.21
1600.00	21.85	31.96	20.91	12.37	1.67	0.84	34.23	20.34	0.24
1700.00	21.42	31.75	20.42	12.48	1.70	0.85	34.94	20.38	0.26
1800.00	21.00	31.55	19.87	12.42	1.73	0.86	35.06	20.19	0.24
1900.00	20.58	31.38	19.20	12.32	1.76	0.87	35.06	20.52	0.27
2000.00	20.17	31.27	18.43	12.23	1.81	0.87	34.92	20.80	0.28
2100.00	19.76	31.07	17.74	11.86	1.83	0.88	35.42	20.79	0.26
2200.00	19.37	30.88	17.19	11.48	1.85	0.88	35.69	20.88	0.28
2300.00	19.00	30.69	16.66	11.18	1.86	0.88	35.43	20.53	0.34
2400.00	18.62	30.59	16.13	10.89	1.90	0.88	35.55	20.42	0.38
2500.00	18.22	30.40	15.55	10.41	1.91	0.88	35.74	20.66	0.36
2600.00	17.84	30.30	15.03	9.96	1.94	0.88	35.26	20.45	0.34
2700.00	17.49	30.14	14.56	9.54	1.94	0.87	35.84	20.34	0.37
2800.00	17.14	30.02	14.22	9.20	1.96	0.87	35.94	20.03	0.43
2900.00	16.81	29.83	13.89	8.89	1.97	0.86	36.28	19.94	0.42
3000.00	16.47	29.68	13.59	8.56	1.97	0.86	35.77	19.83	0.37
3100.00	16.14	29.39	13.37	8.29	1.96	0.85	35.43	19.85	0.49
3200.00	15.84	29.35	13.16	8.03	1.98	0.85	35.42	19.76	0.50
3300.00	15.53	29.09	12.95	7.80	1.97	0.84	36.42	19.02	0.54
3400.00	15.23	28.99	12.74	7.54	1.98	0.84	36.00	19.23	0.50
3500.00	14.94	28.67	12.53	7.32	1.94	0.83	35.43	19.09	0.53
3600.00	14.66	28.56	12.41	7.14	1.96	0.82	36.52	19.15	0.61
3700.00	14.38	28.36	12.38	7.02	1.96	0.82	36.36	18.92	0.65
3800.00	14.13	28.13	12.33	6.80	1.93	0.81	36.28	18.62	0.70
3900.00	13.88	27.92	12.36	6.66	1.93	0.80	36.64	18.24	0.68
4000.00	13.64	27.60	12.42	6.57	1.90	0.80	37.04	18.01	0.72
4100.00	13.41	27.38	12.45	6.51	1.89	0.80	35.87	18.20	0.78
4200.00	13.18	27.19	12.48	6.43	1.89	0.79	36.20	17.87	0.83
4300.00	12.95	27.01	12.58	6.36	1.89	0.79	36.90	17.69	0.78

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 = 5.25V, Id = 60.32 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)
400.00	13.46	51.26	0.64	1.46	2.26	0.51	21.18	9.44	1.79
500.00	20.21	44.18	1.11	1.76	1.33	0.50	25.65	14.01	0.82
600.00	23.00	39.71	2.19	2.76	1.27	0.57	27.41	15.99	0.70
700.00	24.36	37.33	3.92	4.12	1.32	0.63	28.51	17.31	0.40
800.00	24.82	35.58	6.23	5.73	1.36	0.68	29.66	18.35	0.38
900.00	24.85	34.62	8.76	7.15	1.39	0.71	31.03	19.38	0.30
1000.00	24.58	33.94	11.32	8.30	1.43	0.73	32.06	20.00	0.23
1100.00	24.19	33.54	13.98	9.34	1.48	0.76	33.06	20.25	0.29
1200.00	23.76	33.20	16.45	10.20	1.52	0.78	32.99	20.29	0.22
1300.00	23.31	32.78	18.62	10.88	1.55	0.80	33.82	20.44	0.22
1400.00	22.86	32.53	20.66	11.46	1.59	0.81	34.65	20.47	0.24
1500.00	22.42	32.28	22.04	11.95	1.63	0.83	35.03	20.69	0.20
1600.00	21.99	32.14	22.01	12.30	1.67	0.84	34.83	20.62	0.25
1700.00	21.56	31.83	21.53	12.43	1.69	0.85	35.36	20.59	0.20
1800.00	21.15	31.59	20.93	12.35	1.72	0.85	35.79	20.32	0.25
1900.00	20.73	31.49	20.18	12.27	1.76	0.86	36.01	20.73	0.28
2000.00	20.32	31.34	19.35	12.19	1.80	0.87	35.76	21.05	0.25
2100.00	19.91	31.03	18.54	11.81	1.80	0.87	36.22	21.07	0.29
2200.00	19.52	31.03	17.88	11.44	1.85	0.87	36.09	21.16	0.28
2300.00	19.15	30.78	17.27	11.16	1.86	0.87	36.21	20.80	0.33
2400.00	18.77	30.70	16.70	10.85	1.90	0.87	35.91	20.60	0.38
2500.00	18.38	30.50	16.03	10.38	1.91	0.87	36.91	21.07	0.34
2600.00	17.99	30.42	15.46	9.93	1.94	0.87	35.96	20.84	0.33
2700.00	17.64	30.21	14.89	9.51	1.94	0.86	36.52	20.83	0.38
2800.00	17.29	30.06	14.53	9.18	1.95	0.86	36.42	20.41	0.41
2900.00	16.95	29.84	14.15	8.85	1.95	0.86	36.26	20.49	0.43
3000.00	16.62	29.72	13.81	8.54	1.96	0.85	36.21	20.39	0.35
3100.00	16.29	29.55	13.56	8.26	1.97	0.85	36.18	20.54	0.48
3200.00	15.98	29.38	13.32	8.01	1.97	0.84	36.65	20.54	0.50
3300.00	15.68	29.19	13.09	7.78	1.96	0.84	36.45	19.56	0.54
3400.00	15.37	28.98	12.86	7.51	1.95	0.83	36.54	19.88	0.54
3500.00	15.08	28.81	12.62	7.29	1.95	0.82	36.11	19.89	0.56
3600.00	14.80	28.64	12.48	7.12	1.95	0.82	36.55	19.92	0.60
3700.00	14.52	28.45	12.43	6.98	1.95	0.81	36.71	19.72	0.65
3800.00	14.27	28.20	12.36	6.77	1.92	0.81	36.13	19.40	0.67
3900.00	14.01	27.93	12.37	6.63	1.90	0.80	36.69	19.04	0.69
4000.00	13.78	27.70	12.42	6.54	1.90	0.79	36.92	18.90	0.73
4100.00	13.54	27.46	12.45	6.48	1.89	0.79	36.42	19.16	0.83
4200.00	13.31	27.28	12.47	6.40	1.88	0.79	36.75	18.75	0.83
4300.00	13.08	27.08	12.57	6.33	1.88	0.78	36.43	18.44	0.80

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 = 45.81 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)	K	Measure	(dBm)	(dBm)	(dB)
400.00	11.92	50.84	0.76	1.89	3.22	0.63	19.22	7.51	2.82
500.00	18.35	43.33	1.16	1.98	1.45	0.57	22.57	10.90	1.63
600.00	21.34	39.33	2.06	2.95	1.35	0.64	23.89	12.56	1.27
700.00	22.93	36.50	3.61	4.30	1.35	0.69	24.90	13.67	0.92
800.00	23.60	34.94	5.77	5.92	1.40	0.73	26.03	14.72	0.79
900.00	23.72	33.96	8.22	7.42	1.45	0.75	27.18	15.80	0.83
1000.00	23.49	33.40	10.73	8.73	1.51	0.77	27.67	16.55	0.61
1100.00	23.12	32.98	13.08	9.82	1.56	0.79	28.44	16.90	0.64
1200.00	22.67	32.80	15.01	10.64	1.63	0.81	28.70	17.26	0.59
1300.00	22.20	32.64	16.28	11.27	1.69	0.83	28.90	17.39	0.55
1400.00	21.74	32.45	16.84	11.74	1.74	0.85	28.94	17.66	0.56
1500.00	21.27	32.18	16.88	12.06	1.78	0.86	29.28	18.14	0.56
1600.00	20.82	32.11	16.63	12.24	1.84	0.88	29.18	17.91	0.61
1700.00	20.37	32.00	16.26	12.28	1.89	0.89	29.21	17.95	0.59
1800.00	19.94	31.91	15.87	12.21	1.95	0.90	28.89	17.55	0.61
1900.00	19.51	31.67	15.44	12.07	1.97	0.90	29.09	18.31	0.66
2000.00	19.10	31.50	15.05	11.84	2.00	0.91	29.32	18.69	0.65
2100.00	18.68	31.41	14.71	11.53	2.05	0.91	29.39	18.72	0.70
2200.00	18.29	31.26	14.41	11.22	2.08	0.91	29.63	19.20	0.72
2300.00	17.90	31.14	14.08	10.86	2.12	0.91	29.36	18.64	0.75
2400.00	17.51	31.04	13.83	10.50	2.16	0.91	29.16	18.06	0.80
2500.00	17.12	30.91	13.58	10.12	2.19	0.91	29.32	18.66	0.81
2600.00	16.75	30.79	13.40	9.79	2.22	0.91	29.20	18.57	0.80
2700.00	16.41	30.61	13.17	9.43	2.23	0.90	29.58	18.61	0.86
2800.00	16.06	30.49	13.03	9.12	2.25	0.90	29.22	17.93	0.91
2900.00	15.72	30.33	12.87	8.84	2.27	0.89	29.25	17.71	0.97
3000.00	15.39	30.13	12.75	8.57	2.27	0.89	29.30	17.51	0.91
3100.00	15.06	30.01	12.64	8.32	2.30	0.88	29.47	17.89	1.02
3200.00	14.75	29.81	12.57	8.07	2.30	0.88	29.23	17.72	1.04
3300.00	14.44	29.58	12.50	7.85	2.29	0.87	29.10	16.79	1.09
3400.00	14.15	29.34	12.50	7.65	2.28	0.86	29.22	17.15	1.14
3500.00	13.86	29.20	12.45	7.47	2.29	0.86	29.00	16.74	1.17
3600.00	13.58	28.97	12.46	7.29	2.28	0.85	29.18	16.62	1.26
3700.00	13.30	28.79	12.51	7.16	2.29	0.84	29.28	16.39	1.30
3800.00	13.04	28.52	12.54	7.02	2.27	0.84	29.25	15.88	1.43
3900.00	12.77	28.27	12.63	6.90	2.26	0.83	28.94	15.56	1.43
4000.00	12.52	28.04	12.71	6.78	2.25	0.83	29.07	15.42	1.48
4100.00	12.25	27.89	12.85	6.71	2.27	0.82	28.95	15.55	1.58
4200.00	12.01	27.59	12.93	6.59	2.24	0.82	28.85	15.13	1.61
4300.00	11.75	27.53	13.11	6.56	2.29	0.81	28.93	14.93	1.57

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: Vd = 4.75V, Id = 41.70mA @ 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)	K	Measure	(dBm)	(dBm)	(dB)
400.00	11.59	51.19	0.75	1.89	3.40	0.63	18.72	6.88	2.85
500.00	18.06	43.43	1.12	1.96	1.46	0.57	22.04	10.18	1.62
600.00	21.08	38.96	1.97	2.90	1.32	0.64	23.38	11.96	1.28
700.00	22.73	36.36	3.46	4.25	1.34	0.69	24.45	13.29	0.93
800.00	23.45	34.78	5.55	5.85	1.39	0.73	25.71	14.49	0.82
900.00	23.59	33.75	7.94	7.37	1.43	0.74	26.98	15.62	0.67
1000.00	23.39	33.16	10.38	8.69	1.48	0.77	27.65	16.52	0.63
1100.00	23.02	32.83	12.64	9.79	1.55	0.79	28.52	17.01	0.65
1200.00	22.58	32.63	14.45	10.62	1.61	0.81	29.10	17.47	0.58
1300.00	22.11	32.42	15.61	11.24	1.67	0.83	29.43	17.77	0.56
1400.00	21.65	32.30	16.12	11.70	1.73	0.85	29.60	18.04	0.58
1500.00	21.18	32.03	16.14	12.04	1.76	0.87	29.95	18.34	0.56
1600.00	20.73	32.03	15.93	12.19	1.83	0.88	29.93	18.35	0.61
1700.00	20.27	31.96	15.62	12.23	1.90	0.89	30.18	18.39	0.60
1800.00	19.85	31.67	15.22	12.16	1.91	0.90	30.01	17.93	0.62
1900.00	19.42	31.53	14.85	12.01	1.95	0.91	30.04	18.72	0.66
2000.00	19.00	31.49	14.50	11.77	2.01	0.91	30.08	19.05	0.66
2100.00	18.58	31.31	14.21	11.47	2.04	0.92	30.05	19.04	0.70
2200.00	18.19	31.23	13.91	11.16	2.09	0.92	30.28	19.27	0.71
2300.00	17.80	31.12	13.64	10.79	2.12	0.92	30.15	18.70	0.76
2400.00	17.41	30.92	13.40	10.43	2.14	0.92	30.09	18.44	0.81
2500.00	17.03	30.81	13.17	10.06	2.17	0.91	29.84	18.94	0.82
2600.00	16.65	30.70	13.02	9.73	2.21	0.91	29.96	18.62	0.84
2700.00	16.31	30.45	12.83	9.38	2.20	0.91	30.10	18.90	0.87
2800.00	15.96	30.43	12.69	9.06	2.25	0.90	30.04	17.95	0.91
2900.00	15.62	30.28	12.54	8.78	2.27	0.90	29.94	18.34	0.99
3000.00	15.29	30.10	12.43	8.51	2.27	0.89	29.95	17.91	0.89
3100.00	14.96	29.90	12.36	8.26	2.28	0.89	29.91	17.82	1.03
3200.00	14.65	29.77	12.30	8.02	2.30	0.88	29.68	17.67	1.06
3300.00	14.34	29.46	12.25	7.81	2.27	0.87	29.74	16.98	1.11
3400.00	14.05	29.32	12.25	7.61	2.28	0.87	29.77	17.07	1.14
3500.00	13.76	29.09	12.22	7.43	2.27	0.86	29.50	16.87	1.19
3600.00	13.49	28.83	12.26	7.26	2.26	0.85	29.58	16.54	1.27
3700.00	13.20	28.68	12.30	7.13	2.28	0.85	29.62	16.26	1.29
3800.00	12.95	28.47	12.35	6.97	2.27	0.84	29.60	15.74	1.40
3900.00	12.68	28.24	12.45	6.86	2.26	0.83	29.38	15.29	1.42
4000.00	12.42	27.92	12.55	6.75	2.23	0.83	29.50	15.21	1.49
4100.00	12.15	27.78	12.69	6.67	2.26	0.82	29.19	15.11	1.57
4200.00	11.91	27.51	12.77	6.56	2.24	0.82	28.92	14.77	1.61
4300.00	11.65	27.40	12.92	6.52	2.27	0.81	29.00	14.44	1.63

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 = 5.25V, Id = 50.03 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)	K	Measure	(dBm)	(dBm)	(dB)
400.00	12.20	51.15	0.77	1.91	3.29	0.64	19.71	7.90	2.78
500.00	18.59	43.95	1.19	2.02	1.53	0.58	23.05	11.39	1.63
600.00	21.53	39.45	2.14	3.01	1.38	0.65	24.16	12.90	1.28
700.00	23.07	36.73	3.74	4.40	1.38	0.70	24.92	13.87	0.92
800.00	23.70	35.10	5.95	6.03	1.43	0.73	25.78	14.78	0.81
900.00	23.79	34.10	8.46	7.53	1.47	0.75	26.79	15.79	0.74
1000.00	23.55	33.60	11.02	8.83	1.53	0.78	26.83	16.23	0.61
1100.00	23.17	33.30	13.45	9.92	1.60	0.80	27.43	16.58	0.65
1200.00	22.72	33.00	15.48	10.75	1.65	0.82	27.54	16.79	0.58
1300.00	22.25	32.86	16.85	11.39	1.72	0.84	27.64	17.15	0.57
1400.00	21.79	32.61	17.47	11.87	1.77	0.85	27.53	16.93	0.56
1500.00	21.33	32.35	17.50	12.21	1.80	0.87	27.87	17.45	0.56
1600.00	20.87	32.20	17.25	12.39	1.86	0.88	27.69	17.34	0.64
1700.00	20.42	32.09	16.86	12.47	1.91	0.89	27.57	17.29	0.59
1800.00	19.99	31.92	16.41	12.42	1.95	0.90	27.28	16.79	0.60
1900.00	19.57	31.91	15.97	12.24	2.02	0.90	27.62	17.50	0.65
2000.00	19.15	31.62	15.52	12.03	2.03	0.91	27.90	18.10	0.65
2100.00	18.73	31.58	15.18	11.72	2.09	0.91	27.96	17.90	0.69
2200.00	18.34	31.39	14.81	11.40	2.12	0.91	28.36	18.38	0.70
2300.00	17.95	31.34	14.48	11.03	2.17	0.91	27.78	17.83	0.74
2400.00	17.56	31.08	14.20	10.66	2.17	0.91	27.68	17.50	0.81
2500.00	17.18	31.05	13.93	10.27	2.22	0.91	27.96	18.15	0.81
2600.00	16.81	30.90	13.73	9.93	2.25	0.91	27.82	17.81	0.81
2700.00	16.46	30.72	13.48	9.56	2.26	0.90	28.28	18.16	0.86
2800.00	16.12	30.52	13.32	9.26	2.27	0.90	27.93	17.10	0.89
2900.00	15.78	30.37	13.14	8.96	2.29	0.89	27.89	17.58	0.94
3000.00	15.44	30.22	12.99	8.69	2.30	0.89	27.76	17.37	0.90
3100.00	15.11	30.05	12.88	8.43	2.32	0.88	28.25	17.83	1.02
3200.00	14.80	29.90	12.80	8.17	2.33	0.88	27.90	17.67	1.03
3300.00	14.50	29.68	12.70	7.97	2.32	0.87	27.53	16.52	1.09
3400.00	14.21	29.52	12.68	7.75	2.33	0.86	27.91	16.70	1.13
3500.00	13.92	29.32	12.63	7.56	2.33	0.86	27.64	16.61	1.19
3600.00	13.64	29.07	12.63	7.40	2.32	0.85	27.97	16.67	1.22
3700.00	13.35	28.78	12.67	7.26	2.30	0.85	28.01	16.43	1.30
3800.00	13.10	28.63	12.69	7.10	2.30	0.84	27.97	15.89	1.41
3900.00	12.83	28.34	12.78	6.99	2.28	0.83	27.51	15.72	1.38
4000.00	12.57	28.11	12.86	6.86	2.27	0.83	27.73	15.49	1.47
4100.00	12.30	27.98	12.98	6.78	2.30	0.82	27.83	15.82	1.55
4200.00	12.06	27.69	13.06	6.67	2.27	0.82	27.77	15.33	1.62
4300.00	11.80	27.65	13.22	6.62	2.33	0.81	27.68	15.05	1.59