

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 = 145.30mA @ 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)
400.0	32.77	51.98	10.21	22.81	4.18	1.07	32.02	20.50	1.14
500.0	32.28	66.80	20.48	20.70	26.13	1.00	33.85	21.45	1.02
600.0	31.87	64.08	14.75	19.42	19.46	1.02	34.27	21.62	0.96
700.0	31.57	68.28	12.92	19.00	32.05	1.04	33.44	21.71	0.95
710.0	31.55	64.64	12.82	18.91	21.11	1.04	33.83	21.76	0.99
720.0	31.52	65.16	12.72	18.90	22.46	1.04	33.41	21.76	0.99
730.0	31.50	64.32	12.63	18.88	20.40	1.04	33.58	21.73	1.09
740.0	31.47	67.50	12.56	18.87	29.49	1.04	33.03	21.75	0.96
750.0	31.45	69.53	12.49	18.85	37.28	1.04	33.73	21.81	0.89
760.0	31.43	66.51	12.43	18.79	26.37	1.04	33.59	21.86	0.88
770.0	31.41	65.06	12.35	18.80	22.35	1.04	34.09	21.82	0.93
780.0	31.39	69.65	12.29	18.73	37.97	1.05	33.49	21.82	0.91
790.0	31.37	67.02	12.25	18.76	28.07	1.05	33.92	21.84	0.84
800.0	31.36	61.86	12.18	18.76	15.52	1.05	33.30	21.89	0.86
810.0	31.34	63.88	12.16	18.69	19.62	1.05	33.58	21.84	0.92
820.0	31.32	63.70	12.13	18.69	19.24	1.05	33.94	21.86	0.92
830.0	31.31	66.65	12.09	18.68	27.05	1.05	33.81	21.90	0.86
840.0	31.29	61.24	12.06	18.66	14.53	1.05	33.96	21.93	0.91
850.0	31.28	65.17	12.05	18.61	22.86	1.05	33.71	21.91	0.91
860.0	31.26	62.01	12.02	18.61	15.93	1.05	34.30	21.93	0.92
880.0	31.23	62.80	12	18.56	17.48	1.05	34.65	22.01	0.98
900.0	31.21	60.69	11.96	18.52	13.75	1.05	33.42	21.91	0.92
920.0	31.19	62.09	11.94	18.47	16.18	1.05	34.24	22.03	0.90
930.0	31.18	61.90	11.93	18.40	15.85	1.05	34.25	22.12	0.92
960.0	31.14	59.31	11.94	18.36	11.81	1.05	34.08	21.92	0.98
970.0	31.13	63.20	11.92	18.35	18.50	1.05	34.48	22.05	1.02
980.0	31.12	61.89	11.94	18.33	15.94	1.05	33.60	22.13	0.92
990.0	31.11	62.83	11.94	18.29	17.76	1.05	34.35	22.11	0.92
1000.0	31.10	62.35	11.93	18.25	16.83	1.05	33.76	21.92	0.94
1100.0	30.99	60.61	12.07	17.91	13.96	1.05	34.10	22.05	0.94
1200.0	30.87	59.05	12.33	17.64	11.87	1.04	34.60	22.17	0.95
1300.0	30.70	56.86	12.69	17.46	9.45	1.03	34.09	22.07	0.98
1400.0	30.46	56.06	13.18	17.50	8.92	1.03	33.85	22.04	0.94
1600.0	29.71	53.74	14.64	18.31	7.59	1.02	34.81	22.37	1.02
1800.0	28.57	52.00	16.72	19.59	7.20	1.01	34.74	22.41	1.05
2000.0	27.12	51.54	19.31	18.83	8.13	1.00	34.50	22.48	1.09

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 = 139.32mA @ 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)
400.0	32.65	51.86	10.16	22.83	4.18	1.07	32.65	20.71	1.15
500.0	32.20	64.82	20.95	19.82	20.99	1.00	32.73	21.28	1.05
600.0	31.80	65.38	14.92	18.70	22.77	1.02	33.40	21.36	0.99
700.0	31.51	62.15	13.01	18.36	15.92	1.03	33.94	21.42	0.94
710.0	31.49	68.32	12.91	18.33	32.44	1.04	33.42	21.46	0.97
720.0	31.46	65.45	12.81	18.29	23.35	1.04	33.35	21.47	0.99
730.0	31.44	71.08	12.72	18.27	44.71	1.04	34.40	21.42	1.07
740.0	31.42	61.79	12.64	18.28	15.36	1.04	33.39	21.42	0.94
750.0	31.40	63.49	12.55	18.27	18.70	1.04	33.93	21.47	0.87
760.0	31.38	61.46	12.49	18.22	14.82	1.04	33.67	21.52	0.89
770.0	31.36	62.84	12.42	18.25	17.40	1.04	33.33	21.51	0.88
780.0	31.34	65.02	12.37	18.19	22.39	1.04	33.36	21.51	0.89
790.0	31.32	64.40	12.32	18.21	20.88	1.04	34.09	21.53	0.82
800.0	31.31	63.94	12.26	18.21	19.81	1.04	34.03	21.56	0.82
810.0	31.29	64.69	12.23	18.19	21.63	1.04	33.63	21.51	0.90
820.0	31.28	63.70	12.19	18.17	19.33	1.04	34.51	21.56	0.89
830.0	31.26	64.68	12.16	18.19	21.68	1.04	33.57	21.59	0.86
840.0	31.25	63.42	12.13	18.16	18.76	1.05	34.27	21.61	0.93
850.0	31.23	62.84	12.13	18.14	17.57	1.05	33.78	21.61	0.90
860.0	31.22	60.66	12.08	18.09	13.70	1.05	33.36	21.61	0.92
880.0	31.19	64.45	12.05	18.11	21.23	1.05	33.82	21.70	0.97
900.0	31.17	61.06	12.02	18.09	14.41	1.05	33.67	21.60	0.92
920.0	31.15	63.17	11.99	18.05	18.39	1.05	34.07	21.71	0.91
930.0	31.14	59.83	11.96	18.03	12.53	1.05	34.07	21.79	0.92
960.0	31.10	61.03	11.98	18.00	14.45	1.05	33.73	21.62	0.98
970.0	31.09	62.69	11.98	17.99	17.50	1.05	34.87	21.74	1.00
980.0	31.08	59.39	11.97	17.94	11.98	1.05	33.46	21.81	0.90
990.0	31.07	60.04	11.98	17.91	12.93	1.05	34.10	21.81	0.92
1000.0	31.06	59.40	12.00	17.88	12.03	1.05	33.83	21.65	0.93
1100.0	30.96	63.71	12.12	17.65	20.00	1.04	33.84	21.77	0.97
1200.0	30.84	56.37	12.36	17.41	8.74	1.04	34.49	21.89	0.97
1300.0	30.68	55.33	12.73	17.25	7.95	1.03	34.32	21.81	0.98
1400.0	30.44	54.97	13.23	17.32	7.88	1.03	33.70	21.80	1.00
1600.0	29.70	54.10	14.71	17.97	7.91	1.02	34.75	22.11	0.99
1800.0	28.58	51.63	16.85	18.97	6.89	1.00	34.52	22.17	1.04
2000.0	27.14	51.66	19.52	18.12	8.20	0.99	35.12	22.21	1.08

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 = 5.25V, Id = 152.28mA @ 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)
400.0	32.86	53.36	10.24	22.77	4.83	1.08	32.61	20.05	1.16
500.0	32.36	64.39	20.25	21.24	19.64	1.00	32.57	21.45	1.04
600.0	31.94	66.07	14.71	19.82	24.31	1.02	33.00	21.86	1.03
700.0	31.63	64.74	12.89	19.36	21.20	1.04	33.05	22.03	0.97
710.0	31.61	68.37	12.80	19.27	32.24	1.04	33.61	22.08	0.99
720.0	31.58	62.65	12.69	19.25	16.71	1.04	33.37	22.08	0.97
730.0	31.56	66.04	12.61	19.24	24.73	1.04	34.17	22.05	1.12
740.0	31.53	67.10	12.54	19.20	28.01	1.04	33.30	22.06	0.94
750.0	31.51	62.47	12.45	19.16	16.45	1.04	34.08	22.14	0.91
760.0	31.49	66.96	12.41	19.13	27.62	1.05	33.45	22.19	0.91
770.0	31.47	63.90	12.32	19.14	19.44	1.05	33.45	22.14	0.95
780.0	31.44	65.19	12.28	19.08	22.61	1.05	33.66	22.15	0.93
790.0	31.42	64.21	12.24	19.06	20.23	1.05	33.85	22.18	0.89
800.0	31.41	64.36	12.16	19.06	20.59	1.05	33.55	22.23	0.85
810.0	31.39	63.14	12.14	18.98	17.93	1.05	34.09	22.17	0.93
820.0	31.38	64.65	12.12	18.98	21.35	1.05	33.96	22.19	0.93
830.0	31.36	61.91	12.09	18.94	15.60	1.05	33.38	22.24	0.89
840.0	31.34	65.18	12.06	18.92	22.75	1.05	34.22	22.28	0.96
850.0	31.33	64.41	12.04	18.88	20.87	1.05	33.51	22.27	0.95
860.0	31.31	65.66	12.02	18.90	24.11	1.05	33.45	22.28	0.95
880.0	31.28	63.90	11.99	18.79	19.75	1.05	34.08	22.35	0.99
900.0	31.25	64.59	11.95	18.76	21.45	1.05	33.68	22.23	0.92
920.0	31.23	63.38	11.94	18.71	18.68	1.05	33.75	22.37	0.91
930.0	31.22	61.29	11.92	18.66	14.71	1.05	34.02	22.47	0.95
960.0	31.18	61.17	11.92	18.60	14.56	1.05	33.98	22.23	1.02
970.0	31.17	59.44	11.92	18.57	11.96	1.05	34.37	22.38	1.03
980.0	31.16	63.83	11.94	18.53	19.84	1.05	34.37	22.49	0.89
990.0	31.15	60.47	11.92	18.47	13.49	1.05	34.55	22.45	0.91
1000.0	31.14	58.88	11.94	18.43	11.25	1.05	34.23	22.21	0.95
1100.0	31.03	60.65	12.07	18.06	13.98	1.05	34.17	22.35	0.96
1200.0	30.90	58.10	12.32	17.77	10.61	1.04	34.72	22.48	0.99
1300.0	30.72	56.57	12.68	17.58	9.12	1.03	33.96	22.35	0.99
1400.0	30.48	55.06	13.15	17.63	7.94	1.03	34.45	22.32	0.98
1600.0	29.71	53.93	14.61	18.50	7.75	1.02	34.60	22.64	1.01
1800.0	28.57	53.45	16.65	20.01	8.52	1.01	34.50	22.66	1.06
2000.0	27.11	51.52	19.20	19.25	8.13	1.00	35.02	22.75	1.13

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: Vd = 5V, Id = 157.91mA @ 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)
400.0	32.87	53.28	9.02	21.20	4.62	1.10	36.70	22.55	1.04
500.0	32.81	62.68	38.03	18.15	15.36	0.98	37.20	22.99	0.85
600.0	32.61	66.47	19.64	17.21	23.93	0.99	36.35	23.02	0.81
700.0	32.41	65.52	15.99	17.02	21.61	1.00	36.28	23.04	0.75
710.0	32.39	66.97	15.76	16.96	25.54	1.01	38.15	23.08	0.78
720.0	32.37	65.79	15.57	16.99	22.34	1.01	37.57	23.09	0.81
730.0	32.35	70.51	15.40	16.97	38.50	1.01	35.95	23.05	0.86
740.0	32.33	63.66	15.26	16.98	17.53	1.01	37.23	23.05	0.75
750.0	32.32	62.56	15.11	16.98	15.44	1.01	37.59	23.09	0.67
760.0	32.30	64.74	15.01	17.00	19.86	1.01	36.10	23.12	0.68
770.0	32.28	68.28	14.88	17.02	29.90	1.01	36.35	23.13	0.73
780.0	32.26	66.39	14.77	17.00	24.09	1.01	37.14	23.13	0.68
790.0	32.25	65.29	14.68	17.05	21.25	1.01	36.12	23.12	0.68
800.0	32.23	64.08	14.60	17.09	18.51	1.01	36.73	23.16	0.66
810.0	32.22	61.09	14.52	17.05	13.12	1.02	37.14	23.11	0.68
820.0	32.21	64.88	14.46	17.06	20.30	1.02	36.80	23.15	0.70
830.0	32.19	65.77	14.40	17.08	22.54	1.02	36.44	23.18	0.69
840.0	32.18	61.10	14.35	17.11	13.18	1.02	37.06	23.20	0.74
850.0	32.17	64.59	14.32	17.07	19.73	1.02	38.98	23.19	0.73
860.0	32.16	62.31	14.27	17.08	15.19	1.02	37.00	23.17	0.69
880.0	32.13	62.01	14.19	17.09	14.70	1.02	37.24	23.26	0.78
900.0	32.11	64.36	14.11	17.12	19.29	1.02	36.84	23.18	0.73
920.0	32.09	63.91	14.08	17.09	18.36	1.02	38.05	23.24	0.69
930.0	32.08	63.68	14.05	17.11	17.90	1.02	37.69	23.33	0.71
960.0	32.05	59.49	14.02	17.09	11.09	1.02	37.41	23.18	0.75
970.0	32.04	60.97	14.00	17.10	13.16	1.02	36.97	23.25	0.82
980.0	32.03	64.65	14.02	17.09	20.12	1.02	36.79	23.30	0.68
990.0	32.02	60.02	13.99	17.09	11.82	1.02	36.73	23.35	0.68
1000.0	32.01	61.29	14.01	17.08	13.69	1.02	36.68	23.21	0.72
1100.0	31.93	59.51	14.18	17.01	11.29	1.02	37.75	23.30	0.71
1200.0	31.82	57.88	14.34	16.77	9.47	1.01	36.68	23.39	0.76
1300.0	31.66	56.85	14.47	16.47	8.58	1.01	37.64	23.33	0.75
1400.0	31.43	57.49	14.75	16.45	9.49	1.01	38.01	23.31	0.75
1600.0	30.75	54.32	16.04	16.87	7.22	1.00	37.07	23.55	0.74
1800.0	29.67	52.85	18.58	17.51	7.00	0.99	38.24	23.57	0.78
2000.0	28.27	51.94	22.34	16.89	7.45	0.98	38.58	23.69	0.83

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 = 146.13mA @ 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)
400.0	32.56	50.55	9.02	21.29	3.53	1.10	36.31	22.32	1.03
500.0	32.56	63.49	36.98	18.07	17.34	0.98	36.26	22.50	0.88
600.0	32.39	67.48	19.74	17.15	27.57	0.99	36.19	22.46	0.82
700.0	32.20	64.37	15.93	16.94	19.37	1.01	37.83	22.45	0.75
710.0	32.18	61.96	15.75	16.93	14.70	1.01	36.52	22.48	0.76
720.0	32.16	65.13	15.56	16.94	21.17	1.01	35.84	22.49	0.80
730.0	32.15	64.30	15.37	16.94	19.25	1.01	36.77	22.47	0.88
740.0	32.13	65.92	15.23	16.95	23.25	1.01	36.60	22.46	0.78
750.0	32.12	64.64	15.08	16.94	20.06	1.01	37.10	22.49	0.68
760.0	32.10	63.29	14.99	16.94	17.20	1.01	37.38	22.51	0.71
770.0	32.08	67.33	14.83	16.95	27.38	1.01	36.37	22.54	0.69
780.0	32.07	65.62	14.74	16.97	22.53	1.01	36.98	22.54	0.67
790.0	32.05	64.94	14.65	16.97	20.85	1.01	37.13	22.52	0.65
800.0	32.04	64.99	14.56	17.04	20.98	1.02	36.71	22.56	0.65
810.0	32.03	62.00	14.49	16.99	14.89	1.02	36.64	22.54	0.70
820.0	32.02	64.84	14.43	17.03	20.67	1.02	38.68	22.57	0.70
830.0	32.01	63.18	14.36	17.02	17.07	1.02	37.65	22.59	0.68
840.0	32.00	60.88	14.31	17.06	13.12	1.02	36.97	22.61	0.71
850.0	31.98	63.11	14.27	17.02	16.97	1.02	37.12	22.61	0.75
860.0	31.97	63.27	14.24	17.04	17.30	1.02	36.98	22.59	0.70
880.0	31.95	60.55	14.14	17.02	12.67	1.02	36.06	22.68	0.75
900.0	31.93	63.49	14.09	17.03	17.82	1.02	36.94	22.61	0.70
920.0	31.91	64.37	14.04	17.04	19.74	1.02	37.65	22.66	0.68
930.0	31.91	59.31	13.98	17.01	11.03	1.02	37.17	22.75	0.71
960.0	31.87	62.45	13.98	17.04	15.88	1.02	37.80	22.63	0.75
970.0	31.87	60.21	13.97	17.05	12.29	1.02	38.12	22.69	0.81
980.0	31.86	59.22	13.96	17.03	10.98	1.02	37.88	22.71	0.68
990.0	31.85	60.81	13.95	17.02	13.19	1.02	36.27	22.79	0.67
1000.0	31.84	62.89	13.96	17.01	16.76	1.02	37.07	22.66	0.71
1100.0	31.77	58.65	14.13	16.93	10.41	1.02	36.98	22.75	0.73
1200.0	31.67	57.46	14.30	16.68	9.18	1.01	36.91	22.84	0.76
1300.0	31.51	56.03	14.44	16.37	7.92	1.01	36.38	22.79	0.74
1400.0	31.30	55.87	14.73	16.33	8.00	1.01	36.44	22.77	0.72
1600.0	30.63	54.18	16.00	16.74	7.19	1.00	37.83	23.03	0.76
1800.0	29.57	52.87	18.53	17.34	7.10	0.99	37.98	23.07	0.78
2000.0	28.19	50.71	22.29	16.78	6.53	0.98	37.70	23.17	0.81

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 = 165.64mA @ 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)
400.0	32.97	51.63	9.00	21.17	3.80	1.10	36.30	22.68	1.04
500.0	32.92	66.41	36.64	18.12	23.28	0.98	36.38	23.35	0.90
600.0	32.71	66.96	19.89	17.22	25.03	0.99	38.52	23.49	0.81
700.0	32.50	62.01	16.09	17.00	14.28	1.00	37.36	23.54	0.76
710.0	32.48	66.19	15.89	16.99	23.12	1.01	36.96	23.58	0.78
720.0	32.46	67.36	15.70	17.00	26.50	1.01	36.39	23.58	0.81
730.0	32.44	64.89	15.54	17.02	19.95	1.01	38.81	23.54	0.88
740.0	32.42	69.86	15.38	17.01	35.43	1.01	36.69	23.54	0.82
750.0	32.40	65.19	15.26	17.03	20.72	1.01	37.53	23.58	0.71
760.0	32.39	65.36	15.14	17.02	21.15	1.01	38.08	23.63	0.73
770.0	32.37	62.23	14.99	17.04	14.77	1.01	35.92	23.62	0.70
780.0	32.35	61.47	14.91	17.04	13.55	1.01	37.74	23.61	0.70
790.0	32.33	64.45	14.81	17.07	19.11	1.01	40.14	23.60	0.72
800.0	32.32	61.05	14.71	17.10	12.94	1.01	36.38	23.66	0.65
810.0	32.31	64.24	14.65	17.08	18.70	1.01	36.32	23.60	0.71
820.0	32.29	61.97	14.59	17.09	14.42	1.01	36.05	23.62	0.72
830.0	32.28	63.74	14.52	17.07	17.68	1.02	38.16	23.66	0.72
840.0	32.27	64.80	14.47	17.10	20.02	1.02	38.71	23.68	0.74
850.0	32.25	63.31	14.43	17.07	16.88	1.02	36.73	23.67	0.74
860.0	32.24	69.32	14.40	17.14	33.76	1.02	37.29	23.66	0.73
880.0	32.21	61.51	14.31	17.12	13.76	1.02	37.68	23.74	0.79
900.0	32.19	60.34	14.25	17.13	12.06	1.02	36.68	23.64	0.71
920.0	32.17	62.45	14.18	17.12	15.40	1.02	37.44	23.72	0.69
930.0	32.16	62.42	14.16	17.12	15.36	1.02	37.72	23.80	0.73
960.0	32.12	60.80	14.13	17.13	12.80	1.02	36.91	23.64	0.80
970.0	32.12	62.34	14.12	17.14	15.29	1.02	38.42	23.72	0.81
980.0	32.10	59.90	14.11	17.12	11.56	1.02	37.72	23.77	0.70
990.0	32.10	62.70	14.10	17.13	15.97	1.02	38.11	23.81	0.70
1000.0	32.09	59.40	14.11	17.11	10.93	1.02	36.45	23.66	0.73
1100.0	32.00	60.18	14.28	17.05	12.11	1.02	37.44	23.74	0.74
1200.0	31.88	57.25	14.42	16.79	8.76	1.01	37.82	23.82	0.76
1300.0	31.72	56.93	14.54	16.50	8.60	1.01	37.88	23.76	0.76
1400.0	31.49	55.53	14.84	16.49	7.54	1.01	37.35	23.73	0.74
1600.0	30.80	54.38	16.10	16.92	7.24	1.00	38.20	23.95	0.77
1800.0	29.71	53.18	18.61	17.59	7.25	0.99	36.94	23.96	0.79
2000.0	28.30	51.45	22.46	16.94	7.02	0.98	38.22	24.10	0.85

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 = 135.95mA @ 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)
400.0	32.35	52.23	10.57	23.76	4.54	1.07	29.95	18.55	1.37
500.0	31.66	63.42	16.27	23.87	18.81	1.02	31.13	19.84	1.30
600.0	31.15	72.90	12.70	21.77	57.43	1.05	31.22	20.14	1.25
700.0	30.82	64.38	11.37	20.83	21.89	1.06	31.08	20.30	1.18
710.0	30.79	67.88	11.30	20.71	32.81	1.07	31.17	20.32	1.25
720.0	30.76	65.28	11.22	20.65	24.38	1.07	31.14	20.32	1.24
730.0	30.74	64.22	11.15	20.57	21.60	1.07	31.41	20.26	1.26
740.0	30.71	67.43	11.11	20.54	31.33	1.07	31.20	20.25	1.21
750.0	30.69	62.82	11.04	20.44	18.43	1.07	31.76	20.38	1.18
760.0	30.67	62.82	11.01	20.34	18.46	1.07	31.49	20.49	1.14
770.0	30.65	64.04	10.95	20.32	21.28	1.07	31.19	20.37	1.13
780.0	30.63	66.29	10.92	20.21	27.62	1.07	31.36	20.31	1.14
790.0	30.61	65.77	10.89	20.19	26.06	1.07	31.83	20.42	1.16
800.0	30.59	64.38	10.87	20.23	22.23	1.07	31.40	20.52	1.09
810.0	30.58	61.37	10.82	20.05	15.72	1.07	31.69	20.39	1.16
820.0	30.56	64.46	10.81	20.06	22.49	1.07	31.56	20.38	1.20
830.0	30.55	62.60	10.79	20.00	18.18	1.07	31.43	20.46	1.13
840.0	30.53	65.92	10.78	19.91	26.67	1.07	31.68	20.51	1.16
850.0	30.52	62.58	10.78	19.86	18.17	1.07	31.37	20.47	1.19
860.0	30.50	63.93	10.77	19.81	21.25	1.07	31.41	20.51	1.20
880.0	30.48	60.97	10.74	19.65	15.15	1.07	31.55	20.61	1.23
900.0	30.45	61.97	10.76	19.61	17.06	1.07	31.52	20.39	1.20
920.0	30.43	62.10	10.76	19.46	17.36	1.07	31.64	20.65	1.16
930.0	30.42	63.21	10.77	19.43	19.74	1.07	31.94	20.76	1.18
960.0	30.38	60.98	10.80	19.24	15.33	1.07	31.72	20.36	1.24
970.0	30.38	62.54	10.81	19.19	18.38	1.07	31.58	20.59	1.27
980.0	30.36	61.58	10.82	19.13	16.47	1.07	32.15	20.83	1.13
990.0	30.36	62.63	10.83	19.08	18.60	1.07	32.15	20.74	1.15
1000.0	30.35	61.64	10.86	18.99	16.63	1.07	31.69	20.38	1.19
1100.0	30.25	58.75	11.06	18.43	12.09	1.06	31.83	20.56	1.22
1200.0	30.13	58.04	11.39	18.02	11.35	1.05	32.15	20.76	1.24
1300.0	29.96	55.97	11.83	17.80	9.19	1.05	31.68	20.57	1.24
1400.0	29.72	55.40	12.39	17.91	8.93	1.04	31.77	20.56	1.24
1600.0	28.95	54.18	13.89	18.94	8.66	1.03	32.48	20.95	1.27
1800.0	27.78	51.70	15.77	20.95	7.61	1.02	32.78	20.99	1.35
2000.0	26.32	51.63	17.80	20.49	8.99	1.01	32.75	21.05	1.42

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 = 129.88mA @ 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)
400.0	32.26	51.62	10.52	24.15	4.28	1.07	30.04	19.05	1.35
500.0	31.58	65.95	16.44	22.87	25.43	1.02	31.07	19.94	1.27
600.0	31.08	67.72	12.81	21.11	31.91	1.04	31.41	20.02	1.20
700.0	30.76	63.39	11.41	20.33	19.66	1.06	31.45	20.08	1.21
710.0	30.74	64.16	11.33	20.24	21.51	1.06	31.33	20.13	1.25
720.0	30.71	62.91	11.26	20.21	18.66	1.07	31.01	20.13	1.20
730.0	30.69	63.71	11.20	20.15	20.49	1.07	31.24	20.07	1.24
740.0	30.66	63.50	11.14	20.12	20.04	1.07	31.49	20.06	1.15
750.0	30.64	65.91	11.08	20.03	26.46	1.07	30.97	20.18	1.12
760.0	30.62	66.21	11.05	19.97	27.45	1.07	31.59	20.28	1.13
770.0	30.60	64.63	10.98	19.93	22.92	1.07	31.15	20.16	1.12
780.0	30.57	66.17	10.95	19.84	27.40	1.07	31.08	20.11	1.14
790.0	30.56	63.11	10.91	19.84	19.27	1.07	31.40	20.20	1.15
800.0	30.54	64.00	10.88	19.86	21.39	1.07	31.25	20.30	1.09
810.0	30.53	63.92	10.85	19.75	21.22	1.07	31.68	20.17	1.14
820.0	30.52	61.36	10.84	19.72	15.82	1.07	31.25	20.15	1.15
830.0	30.50	63.96	10.81	19.68	21.35	1.07	31.22	20.25	1.13
840.0	30.48	63.43	10.81	19.63	20.13	1.07	31.63	20.28	1.17
850.0	30.47	61.99	10.81	19.55	17.06	1.07	31.47	20.23	1.14
860.0	30.46	62.68	10.79	19.52	18.50	1.07	31.84	20.30	1.17
880.0	30.43	61.79	10.77	19.42	16.74	1.07	31.66	20.38	1.22
900.0	30.41	61.17	10.77	19.32	15.63	1.07	31.30	20.17	0.63
920.0	30.39	61.86	10.77	19.25	16.95	1.07	31.66	20.41	1.16
930.0	30.38	62.53	10.77	19.20	18.33	1.07	31.47	20.53	1.17
960.0	30.35	62.58	10.81	19.04	18.52	1.07	31.44	20.15	1.21
970.0	30.34	61.38	10.82	19.01	16.14	1.07	31.46	20.38	1.26
980.0	30.32	61.38	10.84	18.93	16.17	1.07	31.80	20.58	1.13
990.0	30.32	60.67	10.84	18.89	14.92	1.07	31.75	20.51	1.16
1000.0	30.31	60.43	10.87	18.81	14.53	1.07	31.45	20.16	1.17
1100.0	30.22	60.95	11.08	18.34	15.63	1.06	31.78	20.34	1.21
1200.0	30.11	57.96	11.41	17.94	11.28	1.05	31.95	20.53	1.24
1300.0	29.94	58.08	11.84	17.75	11.73	1.05	31.68	20.38	1.22
1400.0	29.70	54.91	12.42	17.84	8.47	1.04	31.89	20.37	1.24
1600.0	28.94	53.88	13.94	18.75	8.38	1.02	32.52	20.76	1.29
1800.0	27.78	52.25	15.88	20.40	8.09	1.01	32.44	20.80	1.32
2000.0	26.34	51.48	17.98	19.80	8.82	1.00	32.60	20.84	1.41

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 = 141.96mA @ 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)
400.0	32.39	53.19	10.61	23.20	5.04	1.07	29.40	17.87	1.41
500.0	31.71	69.15	16.10	24.71	36.21	1.02	30.83	19.57	1.30
600.0	31.20	62.22	12.66	22.31	16.72	1.05	31.08	20.13	1.26
700.0	30.86	70.44	11.36	21.21	43.79	1.07	31.33	20.42	1.21
710.0	30.84	64.71	11.28	21.08	22.68	1.07	31.44	20.43	1.26
720.0	30.80	67.28	11.20	20.98	30.55	1.07	31.07	20.45	1.29
730.0	30.78	64.30	11.15	20.89	21.72	1.07	31.41	20.39	1.29
740.0	30.75	67.06	11.09	20.89	29.90	1.07	31.18	20.40	1.26
750.0	30.73	65.42	11.04	20.78	24.78	1.07	31.46	20.55	1.19
760.0	30.71	67.02	11.01	20.66	29.82	1.07	31.53	20.63	1.17
770.0	30.69	66.68	10.95	20.62	28.72	1.07	31.27	20.55	1.19
780.0	30.67	63.86	10.91	20.54	20.80	1.07	31.31	20.49	1.21
790.0	30.65	62.73	10.88	20.46	18.30	1.07	31.24	20.59	1.16
800.0	30.63	61.99	10.85	20.45	16.81	1.07	31.59	20.68	1.13
810.0	30.61	62.73	10.83	20.33	18.33	1.07	31.32	20.55	1.18
820.0	30.60	65.29	10.82	20.31	24.66	1.07	31.67	20.55	1.19
830.0	30.58	66.72	10.79	20.22	29.12	1.07	31.53	20.64	1.19
840.0	30.57	62.53	10.78	20.13	17.99	1.07	31.78	20.68	1.20
850.0	30.55	61.55	10.77	20.07	16.09	1.07	31.16	20.64	1.22
860.0	30.54	65.75	10.77	20.01	26.14	1.07	31.39	20.70	1.21
880.0	30.51	63.03	10.76	19.85	19.17	1.07	31.95	20.78	1.24
900.0	30.48	63.08	10.76	19.75	19.31	1.07	31.38	20.57	1.20
920.0	30.46	64.56	10.76	19.61	22.96	1.07	31.65	20.83	1.19
930.0	30.45	60.34	10.76	19.52	14.16	1.07	31.75	20.96	1.23
960.0	30.41	63.04	10.81	19.34	19.39	1.07	31.51	20.57	1.29
970.0	30.41	62.19	10.82	19.32	17.60	1.07	31.66	20.79	1.32
980.0	30.39	59.68	10.83	19.22	13.20	1.07	32.17	21.04	1.17
990.0	30.39	58.36	10.83	19.15	11.35	1.07	32.33	20.94	1.18
1000.0	30.38	62.41	10.86	19.10	18.12	1.07	31.61	20.58	1.20
1100.0	30.27	63.01	11.08	18.48	19.70	1.06	31.72	20.74	1.24
1200.0	30.15	58.10	11.39	18.05	11.40	1.05	32.32	20.94	1.29
1300.0	29.98	60.10	11.83	17.89	14.74	1.05	31.70	20.76	1.27
1400.0	29.73	55.40	12.39	17.99	8.93	1.04	31.83	20.73	1.26
1600.0	28.95	54.46	13.85	19.13	8.95	1.03	32.42	21.10	1.34
1800.0	27.77	52.45	15.70	21.47	8.30	1.02	32.56	21.14	1.40
2000.0	26.31	52.17	17.63	21.09	9.59	1.01	32.55	21.17	1.45