

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 = 5.00V, Id = 64.67mA @ 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)
40.0	14.45	20.75	8.51	26.88	1.13	0.90	34.92	19.19	2.10
50.0	14.41	20.18	9.91	27.65	1.13	0.83	35.50	19.55	2.29
60.0	14.35	19.90	11.20	26.65	1.14	0.79	35.71	20.08	2.33
70.0	14.32	19.73	12.29	26.16	1.14	0.77	34.81	20.46	2.49
80.0	14.29	19.59	13.27	25.76	1.15	0.75	36.91	20.55	2.38
90.0	14.28	19.50	14.18	25.41	1.15	0.73	41.68	20.76	2.38
100.0	14.28	19.42	14.96	25.30	1.15	0.72	37.29	20.86	2.34
150.0	14.28	19.22	17.87	24.25	1.15	0.69	36.75	20.93	2.33
200.0	14.32	19.13	19.92	23.39	1.15	0.67	37.15	20.93	2.24
250.0	14.36	19.06	21.14	22.87	1.14	0.66	39.48	21.02	2.22
300.0	14.40	19.02	22.05	22.51	1.14	0.65	43.51	20.95	2.15
350.0	14.43	19.01	22.68	22.20	1.13	0.65	41.98	21.14	2.16
400.0	14.44	19.01	22.82	21.82	1.13	0.65	38.81	21.14	2.33
450.0	14.43	19.02	22.78	21.69	1.13	0.65	37.80	21.14	2.04
500.0	14.44	19.06	22.76	21.64	1.14	0.65	38.40	21.18	2.05
600.0	14.42	19.13	22.87	21.94	1.14	0.66	40.05	21.08	2.02
700.0	14.39	19.25	23.08	22.24	1.15	0.67	37.37	20.92	2.07
800.0	14.28	19.44	23.58	23.31	1.17	0.69	36.12	20.82	2.13
900.0	14.32	19.51	22.15	24.45	1.18	0.70	36.70	20.91	2.05
1000.0	14.32	19.65	21.68	24.37	1.19	0.71	35.35	20.04	2.03
1100.0	14.30	19.82	21.18	24.31	1.20	0.72	36.14	20.53	2.06
1200.0	14.28	20.01	20.19	23.81	1.21	0.74	34.36	19.76	2.07
1250.0	14.26	20.12	19.67	23.54	1.22	0.74	34.23	19.47	2.12
1300.0	14.26	20.23	19.09	22.46	1.23	0.75	34.30	19.27	2.11
1450.0	14.22	20.60	17.43	20.14	1.26	0.78	34.51	19.05	2.14
1600.0	14.18	21.03	15.92	18.01	1.28	0.80	32.88	18.30	2.09
1700.0	14.16	21.35	14.96	16.95	1.30	0.82	34.28	18.14	2.07
1800.0	14.13	21.73	13.89	15.74	1.32	0.85	34.10	17.75	2.09
1900.0	14.08	22.21	12.92	14.17	1.34	0.87	34.25	17.83	2.39
2000.0	14.03	22.75	12.16	12.80	1.37	0.89	33.54	17.54	2.10
2100.0	13.98	23.37	11.45	11.69	1.40	0.92	33.84	17.76	2.07
2200.0	13.94	24.16	10.74	10.71	1.44	0.94	33.73	18.18	2.12
2300.0	13.79	25.15	10.21	9.62	1.54	0.95	33.90	18.46	1.98
2400.0	13.56	26.44	9.59	9.05	1.73	0.97	33.49	18.57	2.10
2500.0	13.92	27.59	9.49	8.03	1.78	0.95	33.99	18.98	2.19
2600.0	14.18	29.38	9.68	7.09	2.01	0.91	34.57	19.43	2.11
2700.0	14.32	31.78	9.88	6.33	2.49	0.87	34.29	19.74	2.16
2800.0	14.39	35.83	10.45	5.62	3.80	0.81	34.48	19.94	2.13
2900.0	14.43	39.77	11.25	5.12	5.94	0.74	35.32	20.34	2.02
3000.0	14.39	36.45	12.37	4.99	4.24	0.70	35.50	21.07	2.06

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 = 4.80V, Id = 62.01mA @ 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)
40.0	14.43	20.76	8.53	27.07	1.14	0.90	34.96	18.87	2.08
50.0	14.41	20.18	9.88	27.98	1.13	0.83	34.71	19.13	2.33
60.0	14.34	19.91	11.14	27.18	1.14	0.79	35.75	19.74	2.30
70.0	14.31	19.74	12.30	26.71	1.15	0.77	35.20	20.10	2.48
80.0	14.29	19.61	13.32	26.33	1.15	0.75	36.46	20.17	2.38
90.0	14.28	19.51	14.21	25.98	1.15	0.73	38.92	20.37	2.39
100.0	14.28	19.43	15.00	25.86	1.15	0.72	36.92	20.51	2.32
150.0	14.29	19.24	17.86	24.79	1.15	0.69	36.83	20.60	2.34
200.0	14.33	19.14	20.02	23.87	1.15	0.67	36.82	20.57	2.26
250.0	14.36	19.07	21.23	23.32	1.14	0.66	39.38	20.68	2.21
300.0	14.40	19.03	22.09	22.97	1.14	0.65	40.57	20.58	2.23
350.0	14.43	19.02	22.78	22.63	1.14	0.65	42.46	20.81	2.11
400.0	14.44	19.02	22.88	22.23	1.13	0.65	39.02	20.78	2.30
450.0	14.44	19.04	22.76	22.09	1.14	0.65	37.45	20.80	2.06
500.0	14.43	19.06	22.68	22.03	1.14	0.65	37.71	20.82	2.04
600.0	14.42	19.14	22.66	22.36	1.14	0.66	38.29	20.72	2.01
700.0	14.38	19.26	22.76	22.69	1.15	0.67	36.82	20.55	2.07
800.0	14.28	19.45	23.03	23.79	1.18	0.69	35.54	20.43	2.15
900.0	14.32	19.53	21.67	24.97	1.18	0.70	35.98	20.50	2.06
1000.0	14.30	19.66	21.21	24.89	1.19	0.71	34.66	19.72	2.05
1100.0	14.28	19.83	20.75	24.79	1.20	0.72	35.83	20.18	2.07
1200.0	14.25	20.02	19.83	24.12	1.22	0.74	33.84	19.38	2.12
1250.0	14.24	20.13	19.39	23.86	1.23	0.75	33.75	19.16	2.10
1300.0	14.23	20.25	18.85	22.68	1.23	0.75	33.73	18.93	2.12
1450.0	14.19	20.61	17.33	20.26	1.26	0.78	33.97	18.70	2.14
1600.0	14.14	21.04	15.90	18.14	1.29	0.80	32.35	17.94	2.14
1700.0	14.12	21.37	14.96	17.08	1.31	0.83	33.70	17.78	2.04
1800.0	14.08	21.74	13.95	15.88	1.33	0.85	33.59	17.37	2.11
1900.0	14.04	22.22	12.97	14.30	1.35	0.87	33.63	17.47	2.04
2000.0	13.98	22.75	12.22	12.93	1.38	0.90	33.09	17.18	2.10
2100.0	13.94	23.39	11.53	11.80	1.41	0.92	33.32	17.40	2.09
2200.0	13.89	24.18	10.82	10.84	1.46	0.94	33.20	17.83	2.13
2300.0	13.74	25.19	10.27	9.76	1.56	0.95	33.56	18.14	1.98
2400.0	13.52	26.48	9.67	9.17	1.76	0.97	33.11	18.24	2.14
2500.0	13.88	27.64	9.58	8.13	1.82	0.95	33.59	18.67	2.22
2600.0	14.14	29.46	9.76	7.20	2.06	0.91	34.20	19.07	2.10
2700.0	14.27	31.90	9.98	6.45	2.56	0.87	33.85	19.43	2.18
2800.0	14.35	36.16	10.55	5.73	4.02	0.81	34.07	19.65	2.11
2900.0	14.38	40.32	11.38	5.20	6.43	0.75	34.99	20.02	2.03
3000.0	14.35	36.55	12.48	5.08	4.36	0.70	35.21	20.76	2.07

Amplifier

ZX60-P105LN+

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 = 5.20V, Id = 67.82mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
40.0	14.48	20.80	8.54	26.99	1.14	0.90	36.09	19.48	2.11
50.0	14.46	20.28	9.76	27.94	1.13	0.84	35.62	19.79	2.31
60.0	14.39	19.98	11.19	27.09	1.14	0.80	37.02	20.35	2.31
70.0	14.36	19.77	12.33	26.63	1.15	0.77	36.01	20.73	2.42
80.0	14.35	19.64	13.32	26.28	1.15	0.75	37.12	20.85	2.35
90.0	14.34	19.53	14.22	25.93	1.15	0.73	40.24	21.02	2.38
100.0	14.34	19.46	15.01	25.83	1.15	0.72	38.62	21.14	2.33
150.0	14.35	19.28	17.86	24.77	1.15	0.69	38.04	21.21	2.33
200.0	14.38	19.17	20.02	23.86	1.15	0.67	38.65	21.20	2.27
250.0	14.42	19.11	21.23	23.31	1.14	0.66	40.82	21.30	2.20
300.0	14.45	19.07	22.11	22.96	1.14	0.65	43.90	21.20	2.15
350.0	14.49	19.05	22.71	22.60	1.13	0.65	43.38	21.42	2.12
400.0	14.50	19.05	22.87	22.18	1.13	0.65	40.19	21.41	2.20
450.0	14.49	19.07	22.79	22.01	1.13	0.65	39.45	21.41	2.00
500.0	14.50	19.10	22.73	21.91	1.14	0.65	39.59	21.46	2.07
600.0	14.48	19.17	22.78	22.18	1.14	0.66	40.42	21.35	2.04
700.0	14.44	19.29	22.87	22.42	1.15	0.67	38.13	21.16	2.06
800.0	14.34	19.49	23.24	23.29	1.17	0.69	37.06	21.07	2.11
900.0	14.38	19.56	21.82	24.20	1.18	0.70	37.33	21.16	2.07
1000.0	14.37	19.70	21.39	24.01	1.19	0.71	35.96	20.33	2.05
1100.0	14.35	19.87	20.89	23.78	1.20	0.72	37.09	20.78	2.07
1200.0	14.32	20.06	19.95	23.08	1.21	0.74	35.02	20.01	2.11
1250.0	14.30	20.17	19.48	22.81	1.22	0.74	34.76	19.76	2.14
1300.0	14.29	20.28	18.97	21.74	1.23	0.75	34.84	19.55	2.11
1450.0	14.25	20.65	17.38	19.50	1.26	0.77	35.06	19.36	2.17
1600.0	14.20	21.08	15.94	17.49	1.28	0.80	33.40	18.61	2.18
1700.0	14.18	21.39	15.01	16.47	1.30	0.82	34.83	18.47	2.04
1800.0	14.15	21.76	13.94	15.34	1.32	0.85	34.61	18.06	2.12
1900.0	14.09	22.24	13.00	13.83	1.34	0.87	34.74	18.15	2.08
2000.0	14.03	22.77	12.23	12.49	1.36	0.89	33.94	17.87	2.10
2100.0	13.98	23.38	11.53	11.38	1.39	0.91	34.26	18.07	2.09
2200.0	13.93	24.16	10.80	10.45	1.44	0.93	34.23	18.47	2.15
2300.0	13.78	25.13	10.24	9.40	1.52	0.95	34.31	18.77	1.98
2400.0	13.55	26.39	9.61	8.84	1.70	0.96	33.88	18.87	2.11
2500.0	13.92	27.47	9.50	7.78	1.73	0.94	34.37	19.28	2.23
2600.0	14.17	29.13	9.68	6.85	1.92	0.90	34.91	19.71	2.13
2700.0	14.29	31.32	9.88	6.10	2.32	0.86	34.69	20.04	2.18
2800.0	14.37	34.82	10.41	5.39	3.32	0.79	34.76	20.19	2.16
2900.0	14.40	37.93	11.21	4.86	4.69	0.72	35.45	20.59	2.06
3000.0	14.38	35.84	12.27	4.73	3.85	0.68	35.53	21.34	2.07

Amplifier

ZX60-P105LN+

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 = 5.00V, Id = 57.56mA @ Temperature = -40°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)
40.0	14.22	20.14	7.96	25.13	1.08	0.90	34.71	18.14	1.85
50.0	14.07	19.61	9.21	23.63	1.09	0.84	34.66	18.55	1.96
60.0	13.94	19.28	10.55	22.33	1.11	0.79	36.19	19.30	1.99
70.0	13.84	19.09	11.52	21.72	1.12	0.76	34.75	19.76	2.12
80.0	13.77	18.95	12.41	21.21	1.13	0.74	35.63	19.82	2.01
90.0	13.73	18.86	13.24	20.84	1.13	0.73	38.21	20.14	2.10
100.0	13.71	18.79	13.93	20.73	1.14	0.72	38.95	20.33	1.99
150.0	13.66	18.61	16.31	20.06	1.14	0.69	37.77	20.56	2.01
200.0	13.66	18.50	18.02	19.41	1.14	0.67	38.30	20.37	1.91
250.0	13.69	18.44	18.87	18.83	1.14	0.65	38.68	20.66	1.90
300.0	13.73	18.41	19.61	18.45	1.14	0.64	41.10	20.43	1.94
350.0	13.76	18.39	20.26	18.21	1.13	0.64	38.57	20.81	1.85
400.0	13.79	18.38	20.88	18.07	1.13	0.63	37.63	20.86	2.12
450.0	13.79	18.40	21.37	18.05	1.13	0.63	37.66	20.78	1.73
500.0	13.82	18.42	21.95	17.89	1.13	0.63	40.63	20.91	1.75
600.0	13.85	18.48	22.93	17.75	1.14	0.63	40.05	20.71	1.75
700.0	13.87	18.58	24.77	17.91	1.14	0.64	36.54	20.45	1.79
800.0	13.80	18.78	29.23	18.35	1.16	0.66	35.41	20.35	1.83
900.0	13.91	18.83	32.48	18.99	1.15	0.66	36.31	20.53	1.73
1000.0	13.98	18.94	32.81	19.03	1.16	0.67	35.26	19.32	1.71
1100.0	14.03	19.10	28.82	19.13	1.16	0.68	35.42	20.09	1.74
1200.0	14.07	19.27	24.58	19.01	1.17	0.69	33.57	19.05	1.74
1250.0	14.10	19.36	22.81	19.12	1.17	0.70	33.43	18.68	1.76
1300.0	14.12	19.47	21.27	18.61	1.17	0.71	33.69	18.41	1.74
1450.0	14.17	19.83	17.65	17.28	1.17	0.74	33.60	18.25	1.75
1600.0	14.20	20.28	15.33	15.87	1.18	0.77	32.08	17.42	1.74
1700.0	14.29	20.57	13.87	14.84	1.17	0.80	33.67	17.34	1.64
1800.0	14.34	20.95	12.61	13.83	1.17	0.82	33.14	16.98	1.65
1900.0	14.35	21.40	11.65	12.50	1.17	0.85	33.34	17.03	1.75
2000.0	14.35	21.95	10.91	11.15	1.17	0.87	32.65	16.65	1.63
2100.0	14.36	22.55	10.19	10.10	1.16	0.90	32.95	16.86	1.60
2200.0	14.39	23.29	9.56	9.26	1.17	0.92	32.95	17.32	1.64
2300.0	14.35	24.18	9.18	8.16	1.19	0.93	33.11	17.72	1.48
2400.0	14.12	25.43	8.82	7.16	1.27	0.92	32.83	17.86	1.51
2500.0	14.29	26.55	8.07	7.21	1.36	0.96	33.21	18.27	1.79
2600.0	14.77	27.76	8.81	5.86	1.36	0.87	33.97	18.83	1.65
2700.0	14.88	29.55	8.98	5.26	1.56	0.83	33.76	19.20	1.66
2800.0	14.99	32.36	9.48	4.53	2.02	0.75	34.05	19.57	1.63
2900.0	15.06	34.98	10.28	3.94	2.64	0.66	34.79	20.19	1.53
3000.0	15.08	35.53	11.34	3.76	2.94	0.60	35.00	21.26	1.55

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 = 4.80V, Id = 55.36mA @ Temperature = -40°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)
40.0	14.19	20.12	7.96	25.27	1.08	0.90	34.10	17.91	1.82
50.0	14.07	19.54	9.21	23.78	1.08	0.84	34.17	18.24	1.99
60.0	13.90	19.27	10.44	22.42	1.11	0.80	35.26	19.01	1.99
70.0	13.81	19.06	11.51	21.79	1.12	0.77	34.02	19.49	2.12
80.0	13.74	18.92	12.41	21.27	1.13	0.74	35.26	19.52	2.01
90.0	13.69	18.83	13.24	20.90	1.13	0.73	38.10	19.88	2.11
100.0	13.67	18.76	13.94	20.79	1.14	0.72	37.48	20.04	2.00
150.0	13.63	18.57	16.33	20.12	1.14	0.69	37.07	20.28	2.03
200.0	13.62	18.47	18.04	19.45	1.14	0.67	37.40	20.15	2.00
250.0	13.66	18.41	18.93	18.88	1.14	0.65	38.65	20.36	1.92
300.0	13.69	18.39	19.64	18.50	1.14	0.65	41.33	20.24	1.87
350.0	13.73	18.36	20.34	18.25	1.14	0.64	39.92	20.55	1.88
400.0	13.75	18.36	20.92	18.11	1.13	0.64	37.55	20.57	2.10
450.0	13.76	18.36	21.43	18.09	1.13	0.63	37.24	20.52	1.81
500.0	13.79	18.40	21.96	17.93	1.13	0.63	39.16	20.60	1.77
600.0	13.81	18.46	23.01	17.78	1.14	0.64	40.18	20.49	1.77
700.0	13.84	18.55	24.88	17.94	1.14	0.64	36.54	20.18	1.75
800.0	13.77	18.76	29.38	18.38	1.16	0.66	35.16	20.23	1.81
900.0	13.88	18.80	32.47	19.00	1.16	0.66	35.77	20.24	1.76
1000.0	13.96	18.91	32.58	19.06	1.16	0.67	34.63	19.12	1.71
1100.0	14.00	19.07	28.52	19.16	1.16	0.68	35.05	19.78	1.74
1200.0	14.04	19.24	24.43	19.03	1.17	0.69	33.00	18.79	1.76
1250.0	14.07	19.34	22.68	19.14	1.17	0.70	32.92	18.45	1.79
1300.0	14.09	19.44	21.17	18.62	1.17	0.71	33.10	18.18	1.76
1450.0	14.14	19.81	17.60	17.27	1.17	0.74	33.16	17.98	1.76
1600.0	14.17	20.26	15.29	15.87	1.18	0.77	31.52	17.18	1.73
1700.0	14.26	20.54	13.85	14.82	1.17	0.80	33.06	17.11	1.62
1800.0	14.30	20.92	12.58	13.81	1.17	0.82	32.68	16.74	1.65
1900.0	14.33	21.38	11.64	12.50	1.17	0.85	32.92	16.81	1.59
2000.0	14.32	21.92	10.91	11.14	1.17	0.87	32.07	16.42	1.61
2100.0	14.35	22.53	10.19	10.09	1.16	0.90	32.38	16.63	1.58
2200.0	14.37	23.27	9.57	9.26	1.17	0.92	32.39	17.08	1.65
2300.0	14.34	24.16	9.20	8.16	1.19	0.93	32.72	17.44	1.42
2400.0	14.11	25.42	8.84	7.15	1.27	0.92	32.30	17.63	1.54
2500.0	14.27	26.55	8.10	7.23	1.36	0.96	32.66	18.04	1.81
2600.0	14.75	27.76	8.84	5.86	1.37	0.87	33.40	18.58	1.67
2700.0	14.87	29.56	9.02	5.26	1.57	0.83	33.06	18.94	1.67
2800.0	14.97	32.35	9.54	4.53	2.02	0.75	33.43	19.29	1.64
2900.0	15.06	35.02	10.33	3.95	2.66	0.66	34.27	19.94	1.52
3000.0	15.07	35.50	11.40	3.76	2.94	0.60	34.53	20.90	1.52

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.20V, Id = 60.61mA @ Temperature = -40°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)
40.0	14.25	20.15	7.96	24.89	1.08	0.90	35.31	18.65	1.84
50.0	14.11	19.62	9.33	23.40	1.09	0.83	35.04	18.94	1.98
60.0	13.96	19.28	10.52	22.12	1.10	0.79	36.66	19.73	2.01
70.0	13.86	19.09	11.51	21.50	1.12	0.76	35.10	20.19	2.12
80.0	13.79	18.95	12.40	21.00	1.12	0.74	36.14	20.24	2.03
90.0	13.75	18.86	13.22	20.66	1.13	0.73	38.53	20.58	2.13
100.0	13.72	18.80	13.91	20.53	1.14	0.72	40.26	20.79	2.01
150.0	13.67	18.62	16.30	19.86	1.14	0.68	38.76	21.00	2.04
200.0	13.68	18.51	17.90	19.22	1.14	0.66	39.05	20.88	2.05
250.0	13.71	18.45	18.80	18.66	1.14	0.65	39.01	21.08	1.97
300.0	13.73	18.42	19.52	18.30	1.14	0.64	40.26	20.94	1.98
350.0	13.78	18.41	20.13	18.04	1.13	0.64	37.88	21.28	1.90
400.0	13.80	18.40	20.68	17.90	1.13	0.63	37.21	21.35	2.06
450.0	13.81	18.41	21.24	17.88	1.13	0.63	37.83	21.23	1.80
500.0	13.85	18.43	21.71	17.73	1.13	0.63	41.41	21.33	1.75
600.0	13.87	18.50	22.80	17.58	1.14	0.63	40.35	21.22	1.78
700.0	13.89	18.59	24.65	17.73	1.14	0.64	36.95	20.92	1.74
800.0	13.82	18.79	29.04	18.16	1.16	0.66	36.06	20.83	1.85
900.0	13.94	18.84	33.01	18.76	1.15	0.66	36.74	20.96	1.73
1000.0	14.01	18.94	33.96	18.82	1.15	0.67	35.91	19.76	1.72
1100.0	14.05	19.10	29.35	18.91	1.16	0.68	35.88	20.51	1.74
1200.0	14.10	19.28	24.85	18.77	1.16	0.69	33.93	19.46	1.77
1250.0	14.13	19.37	22.89	18.90	1.16	0.70	33.92	19.08	1.77
1300.0	14.16	19.48	21.35	18.39	1.17	0.71	34.20	18.82	1.76
1450.0	14.20	19.84	17.68	17.08	1.17	0.74	34.16	18.64	1.79
1600.0	14.24	20.28	15.32	15.71	1.18	0.77	32.70	17.80	1.78
1700.0	14.32	20.58	13.87	14.69	1.17	0.79	34.35	17.74	1.66
1800.0	14.37	20.94	12.56	13.69	1.16	0.82	33.73	17.38	1.66
1900.0	14.38	21.40	11.62	12.39	1.16	0.85	33.88	17.45	1.60
2000.0	14.37	21.94	10.89	11.03	1.16	0.87	33.08	17.05	1.66
2100.0	14.39	22.54	10.15	9.98	1.15	0.90	33.50	17.25	1.57
2200.0	14.43	23.27	9.51	9.15	1.16	0.92	33.41	17.69	1.66
2300.0	14.40	24.15	9.13	8.06	1.17	0.92	33.65	18.05	1.46
2400.0	14.16	25.40	8.76	7.07	1.25	0.92	33.42	18.26	1.54
2500.0	14.32	26.50	8.02	7.13	1.33	0.96	33.74	18.65	1.80
2600.0	14.79	27.68	8.76	5.76	1.33	0.87	34.53	19.21	1.70
2700.0	14.92	29.42	8.89	5.17	1.51	0.82	34.26	19.56	1.67
2800.0	15.02	32.15	9.41	4.44	1.93	0.74	34.64	19.93	1.66
2900.0	15.10	34.59	10.19	3.85	2.47	0.65	35.52	20.55	1.55
3000.0	15.11	35.21	11.22	3.67	2.78	0.59	35.73	21.60	1.55

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 = 5.00V, Id = 68.95mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
40.0	14.55	21.22	8.73	26.51	1.18	0.90	35.98	18.84	2.25
50.0	14.60	20.66	10.20	28.96	1.17	0.84	35.12	19.12	2.53
60.0	14.60	20.42	11.45	30.00	1.17	0.80	36.52	19.63	2.58
70.0	14.61	20.20	12.57	31.08	1.17	0.77	35.67	19.98	2.57
80.0	14.61	20.05	13.60	32.37	1.17	0.75	37.11	20.07	2.60
90.0	14.63	19.96	14.55	32.68	1.16	0.74	39.07	20.28	2.66
100.0	14.65	19.88	15.33	33.28	1.16	0.73	37.35	20.42	2.61
150.0	14.70	19.67	18.30	33.57	1.16	0.70	37.06	20.55	2.58
200.0	14.75	19.56	20.24	31.66	1.15	0.68	37.48	20.51	2.45
250.0	14.80	19.50	20.96	31.21	1.14	0.67	39.90	20.60	2.41
300.0	14.83	19.46	21.27	31.60	1.14	0.66	40.96	20.48	2.41
350.0	14.86	19.44	21.31	30.71	1.13	0.66	41.64	20.70	2.37
400.0	14.85	19.43	20.95	29.32	1.13	0.66	39.88	20.71	2.24
450.0	14.83	19.45	20.70	28.61	1.14	0.66	38.19	20.66	2.24
500.0	14.82	19.49	20.21	28.14	1.14	0.67	37.92	20.72	2.32
600.0	14.78	19.57	19.47	29.69	1.15	0.68	38.47	20.57	2.29
700.0	14.69	19.70	19.07	29.44	1.16	0.69	37.73	20.35	2.30
800.0	14.57	19.89	18.63	28.42	1.18	0.71	36.44	20.23	2.30
900.0	14.55	19.99	17.57	27.16	1.19	0.72	36.65	20.27	2.32
1000.0	14.49	20.13	17.30	25.84	1.20	0.74	35.23	19.60	2.34
1100.0	14.43	20.31	17.21	24.61	1.22	0.75	36.42	19.94	2.37
1200.0	14.34	20.51	16.79	22.72	1.25	0.76	34.91	19.33	2.39
1250.0	14.30	20.62	16.67	22.32	1.26	0.77	34.61	19.12	2.40
1300.0	14.28	20.74	16.52	21.02	1.27	0.78	34.47	18.98	2.43
1450.0	14.16	21.09	16.19	18.88	1.31	0.80	34.77	18.74	2.46
1600.0	14.05	21.52	15.66	17.14	1.35	0.82	33.17	18.06	2.43
1700.0	13.99	21.83	15.50	16.55	1.38	0.83	34.40	17.89	2.50
1800.0	13.91	22.18	14.76	15.93	1.42	0.86	34.43	17.51	2.45
1900.0	13.81	22.65	13.80	14.38	1.45	0.88	34.56	17.56	2.46
2000.0	13.70	23.18	13.25	12.97	1.50	0.89	33.88	17.35	2.45
2100.0	13.62	23.76	12.64	12.07	1.54	0.91	33.98	17.58	2.49
2200.0	13.53	24.52	11.77	11.32	1.62	0.94	33.81	17.93	2.57
2300.0	13.32	25.55	11.04	10.26	1.76	0.95	33.90	18.17	2.46
2400.0	13.20	26.76	10.47	9.64	1.95	0.96	33.47	18.28	2.59
2500.0	13.53	27.84	10.51	8.31	2.00	0.93	33.80	18.62	2.58
2600.0	13.68	29.65	10.44	7.43	2.29	0.91	34.04	18.96	2.55
2700.0	13.80	32.20	10.67	6.84	2.94	0.88	33.89	19.24	2.59
2800.0	13.86	36.37	11.35	6.09	4.60	0.82	33.87	19.34	2.58
2900.0	13.84	39.01	12.13	5.39	6.10	0.75	34.25	19.69	2.50
3000.0	13.82	35.19	13.13	5.37	4.11	0.72	34.41	20.37	2.52

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.80V, Id = 66.00mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
40.0	14.52	21.22	8.76	26.43	1.18	0.90	35.49	18.59	2.24
50.0	14.58	20.69	9.99	28.90	1.17	0.84	34.79	18.86	2.54
60.0	14.57	20.42	11.40	30.02	1.17	0.80	36.02	19.38	2.60
70.0	14.58	20.19	12.57	31.15	1.17	0.77	34.98	19.72	2.59
80.0	14.60	20.05	13.58	32.49	1.17	0.75	36.77	19.82	2.62
90.0	14.61	19.95	14.54	32.92	1.16	0.74	38.38	20.02	2.66
100.0	14.63	19.88	15.33	33.64	1.16	0.73	36.58	20.15	2.61
150.0	14.69	19.67	18.22	34.07	1.16	0.70	36.60	20.27	2.54
200.0	14.73	19.56	20.19	32.03	1.15	0.68	36.99	20.24	2.43
250.0	14.77	19.49	20.87	31.55	1.14	0.67	38.65	20.33	2.46
300.0	14.80	19.46	21.13	31.93	1.14	0.67	39.59	20.20	2.34
350.0	14.83	19.44	21.18	31.05	1.14	0.66	41.23	20.42	2.35
400.0	14.84	19.43	20.83	29.68	1.13	0.66	39.04	20.41	2.27
450.0	14.83	19.45	20.56	29.02	1.14	0.66	37.63	20.39	2.25
500.0	14.80	19.49	20.09	28.56	1.14	0.67	37.04	20.42	2.30
600.0	14.75	19.56	19.35	30.37	1.15	0.68	37.78	20.30	2.26
700.0	14.68	19.70	18.89	30.26	1.16	0.70	37.19	20.08	2.34
800.0	14.56	19.87	18.45	29.21	1.18	0.72	35.96	19.98	2.28
900.0	14.53	19.99	17.42	27.82	1.19	0.73	36.24	20.01	2.30
1000.0	14.47	20.13	17.12	26.39	1.21	0.74	34.67	19.35	2.29
1100.0	14.40	20.30	17.07	25.09	1.22	0.75	36.01	19.66	2.34
1200.0	14.31	20.50	16.69	23.07	1.25	0.77	34.36	19.09	2.40
1250.0	14.28	20.62	16.55	22.63	1.26	0.77	34.11	18.86	2.40
1300.0	14.25	20.72	16.42	21.34	1.27	0.78	33.96	18.72	2.41
1450.0	14.12	21.08	16.12	19.15	1.31	0.80	34.29	18.48	2.48
1600.0	14.02	21.50	15.59	17.38	1.35	0.82	32.71	17.80	2.46
1700.0	13.95	21.81	15.47	16.82	1.39	0.84	33.97	17.63	2.37
1800.0	13.88	22.17	14.71	16.22	1.42	0.86	34.13	17.25	2.46
1900.0	13.77	22.64	13.81	14.64	1.46	0.88	34.14	17.30	2.47
2000.0	13.66	23.17	13.24	13.20	1.51	0.90	33.52	17.09	2.48
2100.0	13.60	23.76	12.65	12.31	1.56	0.92	33.60	17.32	2.44
2200.0	13.50	24.52	11.78	11.56	1.64	0.94	33.53	17.65	2.53
2300.0	13.29	25.57	11.06	10.47	1.78	0.96	33.55	17.91	2.47
2400.0	13.17	26.80	10.51	9.85	1.98	0.97	33.16	18.04	2.55
2500.0	13.51	27.92	10.53	8.51	2.05	0.94	33.47	18.37	2.56
2600.0	13.66	29.79	10.46	7.63	2.36	0.92	33.84	18.72	2.50
2700.0	13.78	32.51	10.72	7.04	3.10	0.89	33.68	19.00	2.58
2800.0	13.84	37.12	11.42	6.28	5.10	0.83	33.61	19.12	2.58
2900.0	13.82	40.25	12.22	5.57	7.18	0.76	34.17	19.46	2.46
3000.0	13.80	35.38	13.22	5.57	4.29	0.73	34.17	20.14	2.46

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 = 5.20V, Id = 72.10mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
40.0	14.57	21.25	8.76	26.35	1.18	0.90	36.71	18.99	2.27
50.0	14.61	20.73	10.22	28.68	1.17	0.84	35.61	19.28	2.55
60.0	14.62	20.45	11.44	29.93	1.17	0.80	37.28	19.79	2.60
70.0	14.63	20.22	12.57	30.97	1.17	0.77	36.06	20.15	2.66
80.0	14.64	20.08	13.59	32.32	1.17	0.75	37.30	20.24	2.64
90.0	14.66	19.98	14.57	32.81	1.16	0.74	39.70	20.46	2.68
100.0	14.68	19.91	15.35	33.55	1.16	0.73	37.89	20.60	2.61
150.0	14.75	19.70	18.26	34.33	1.15	0.69	37.92	20.74	2.58
200.0	14.78	19.59	20.22	32.34	1.15	0.68	37.90	20.71	2.41
250.0	14.82	19.53	20.95	31.87	1.14	0.67	39.04	20.80	2.45
300.0	14.86	19.49	21.25	32.25	1.14	0.66	41.24	20.64	2.44
350.0	14.90	19.47	21.24	31.22	1.13	0.66	42.42	20.90	2.38
400.0	14.89	19.46	20.87	29.66	1.13	0.66	40.49	20.93	2.17
450.0	14.88	19.48	20.64	28.91	1.14	0.66	38.78	20.85	2.23
500.0	14.86	19.52	20.17	28.30	1.14	0.67	38.63	20.91	2.32
600.0	14.82	19.60	19.40	29.68	1.15	0.68	38.93	20.77	2.26
700.0	14.73	19.74	18.98	29.07	1.16	0.69	38.21	20.54	2.36
800.0	14.61	19.92	18.52	27.77	1.18	0.71	36.86	20.42	2.32
900.0	14.58	20.02	17.46	26.46	1.19	0.72	37.21	20.46	2.33
1000.0	14.53	20.17	17.19	25.19	1.20	0.74	35.66	19.77	2.35
1100.0	14.46	20.35	17.15	24.02	1.22	0.75	36.99	20.07	2.37
1200.0	14.37	20.54	16.72	22.21	1.25	0.76	35.23	19.49	2.42
1250.0	14.33	20.66	16.62	21.84	1.26	0.77	35.01	19.28	2.44
1300.0	14.30	20.77	16.48	20.60	1.27	0.78	34.93	19.14	2.45
1450.0	14.19	21.14	16.16	18.53	1.31	0.79	35.22	18.91	2.49
1600.0	14.07	21.55	15.66	16.84	1.35	0.82	33.60	18.23	2.48
1700.0	14.00	21.86	15.52	16.26	1.38	0.83	34.81	18.07	2.40
1800.0	13.92	22.22	14.78	15.67	1.42	0.86	34.98	17.70	2.50
1900.0	13.82	22.67	13.82	14.16	1.45	0.87	34.99	17.72	2.44
2000.0	13.70	23.21	13.28	12.75	1.50	0.89	34.15	17.51	2.50
2100.0	13.63	23.77	12.67	11.87	1.54	0.91	34.26	17.75	2.46
2200.0	13.53	24.52	11.79	11.14	1.61	0.94	34.19	18.08	2.55
2300.0	13.31	25.55	11.05	10.09	1.75	0.95	34.21	18.33	2.50
2400.0	13.20	26.73	10.47	9.50	1.93	0.96	33.79	18.43	2.58
2500.0	13.53	27.77	10.50	8.15	1.97	0.93	34.02	18.76	2.58
2600.0	13.68	29.50	10.42	7.25	2.23	0.90	34.26	19.12	2.60
2700.0	13.79	31.91	10.65	6.68	2.82	0.87	34.09	19.39	2.63
2800.0	13.85	35.65	11.31	5.94	4.19	0.81	34.09	19.48	2.63
2900.0	13.83	37.89	12.07	5.22	5.29	0.74	34.40	19.82	2.52
3000.0	13.81	34.91	13.07	5.20	3.92	0.70	34.56	20.52	2.53