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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	31.57	68.28	12.92	19.00	32.05	1.04	33.44	21.71	0.95
800.0	31.36	61.86	12.18	18.76	15.52	1.05	33.30	21.89	0.86
900.0	31.21	60.69	11.96	18.52	13.75	1.05	33.42	21.91	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
1210.0	30.85	58.05	12.35	17.61	10.60	1.04	34.38	22.18	0.93
1220.0	30.84	58.13	12.37	17.62	10.72	1.04	33.90	22.04	0.93
1230.0	30.82	57.83	12.43	17.57	10.38	1.04	33.79	21.96	0.93
1240.0	30.81	57.51	12.45	17.58	10.03	1.04	34.34	22.00	0.99
1250.0	30.79	58.28	12.49	17.56	10.97	1.04	34.70	22.08	0.97
1260.0	30.77	57.20	12.52	17.55	9.72	1.04	34.39	22.15	0.91
1270.0	30.76	56.52	12.55	17.55	9.02	1.04	34.51	22.19	0.96
1280.0	30.74	56.53	12.59	17.45	9.04	1.04	34.58	22.16	0.97
1290.0	30.72	57.18	12.65	17.49	9.78	1.03	34.18	22.09	1.01
1300.0	30.70	56.86	12.69	17.46	9.45	1.03	34.09	22.07	0.98
1310.0	30.68	56.59	12.73	17.46	9.19	1.03	34.11	22.07	0.98
1320.0	30.66	56.77	12.77	17.47	9.41	1.03	33.55	22.07	0.96
1330.0	30.63	56.74	12.83	17.47	9.41	1.03	34.26	22.02	0.99
1340.0	30.61	57.50	12.86	17.42	10.29	1.03	33.79	22.03	0.98
1350.0	30.59	56.48	12.90	17.43	9.18	1.03	34.57	22.21	0.96
1360.0	30.56	56.47	12.96	17.48	9.21	1.03	34.02	22.20	0.98
1370.0	30.54	55.65	13.03	17.46	8.41	1.03	34.04	22.16	0.98
1380.0	30.51	56.97	13.08	17.48	9.82	1.03	34.39	22.10	0.98
1390.0	30.49	56.00	13.13	17.48	8.83	1.03	34.35	22.16	0.96
1400.0	30.46	56.06	13.18	17.50	8.92	1.03	33.85	22.04	0.94
1410.0	30.43	54.88	13.26	17.53	7.82	1.03	33.90	22.01	0.93
1420.0	30.40	54.86	13.31	17.55	7.84	1.03	34.31	22.03	0.98
1440.0	30.34	55.11	13.42	17.59	8.14	1.03	33.93	22.21	0.94
1460.0	30.27	54.89	13.55	17.64	8.01	1.02	34.49	22.22	0.97
1480.0	30.20	55.26	13.69	17.72	8.44	1.02	33.92	21.88	0.97
1500.0	30.14	54.86	13.79	17.80	8.13	1.02	34.34	22.21	0.98
1520.0	30.06	54.21	13.97	17.84	7.64	1.02	34.38	22.14	1.03
1540.0	29.97	53.78	14.12	17.94	7.35	1.02	34.55	22.34	1.08
1560.0	29.89	52.59	14.29	18.05	6.49	1.02	34.30	21.98	1.00
1580.0	29.79	54.54	14.44	18.16	8.21	1.02	34.72	22.18	1.04
1600.0	29.71	53.74	14.64	18.31	7.59	1.02	34.81	22.37	1.02
1700.0	29.18	54.70	15.58	19.03	9.07	1.01	34.66	22.23	0.98
1800.0	28.57	52.00	16.72	19.59	7.20	1.01	34.74	22.41	1.05
1900.0	27.87	52.20	17.97	19.63	8.03	1.00	34.70	22.37	1.09
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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	31.51	62.15	13.01	18.36	15.92	1.03	33.94	21.42	0.94
800.0	31.31	63.94	12.26	18.21	19.81	1.04	34.03	21.56	0.82
900.0	31.17	61.06	12.02	18.09	14.41	1.05	33.67	21.60	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
1210.0	30.83	59.73	12.42	17.42	12.90	1.04	34.04	21.89	0.93
1220.0	30.81	56.26	12.44	17.39	8.68	1.04	33.55	21.78	0.92
1230.0	30.80	58.94	12.47	17.38	11.82	1.04	33.68	21.70	0.94
1240.0	30.78	59.44	12.49	17.36	12.54	1.04	33.73	21.73	0.96
1250.0	30.77	56.94	12.54	17.36	9.43	1.04	33.93	21.82	0.97
1260.0	30.75	56.08	12.57	17.34	8.57	1.04	33.76	21.87	0.91
1270.0	30.74	57.51	12.61	17.35	10.13	1.03	34.24	21.91	0.94
1280.0	30.72	56.47	12.63	17.27	9.00	1.03	34.51	21.89	0.95
1290.0	30.70	57.17	12.70	17.29	9.79	1.03	33.60	21.83	0.98
1300.0	30.68	55.33	12.73	17.25	7.95	1.03	34.32	21.81	0.98
1310.0	30.66	56.71	12.78	17.27	9.34	1.03	34.17	21.83	0.97
1320.0	30.63	57.09	12.83	17.29	9.78	1.03	33.89	21.82	0.94
1330.0	30.61	56.70	12.88	17.29	9.39	1.03	33.63	21.77	1.00
1340.0	30.59	56.58	12.92	17.25	9.28	1.03	33.79	21.78	0.97
1350.0	30.57	55.11	12.95	17.25	7.86	1.03	34.00	21.95	0.97
1360.0	30.54	57.15	13.02	17.27	9.98	1.03	34.60	21.94	0.99
1370.0	30.52	56.09	13.08	17.28	8.87	1.03	33.84	21.90	0.94
1380.0	30.50	56.32	13.13	17.30	9.14	1.03	33.97	21.85	1.00
1390.0	30.47	55.47	13.19	17.29	8.32	1.03	33.94	21.89	0.94
1400.0	30.44	54.97	13.23	17.32	7.88	1.03	33.70	21.80	1.00
1410.0	30.41	56.80	13.30	17.30	9.76	1.03	34.14	21.77	0.94
1420.0	30.39	56.09	13.36	17.34	9.04	1.03	33.67	21.77	0.97
1440.0	30.33	54.35	13.48	17.36	7.46	1.02	34.32	21.94	0.90
1460.0	30.26	55.00	13.62	17.42	8.12	1.02	34.03	21.96	0.97
1480.0	30.19	54.60	13.74	17.48	7.83	1.02	33.65	21.66	0.94
1500.0	30.12	54.53	13.86	17.55	7.84	1.02	34.23	21.95	1.01
1520.0	30.05	54.62	14.03	17.59	8.00	1.02	34.22	21.89	1.00
1540.0	29.96	53.77	14.19	17.64	7.34	1.02	34.13	22.08	1.08
1560.0	29.88	54.88	14.35	17.79	8.43	1.02	34.37	21.74	1.02
1580.0	29.79	53.61	14.52	17.87	7.38	1.02	34.29	21.94	1.07
1600.0	29.70	54.10	14.71	17.97	7.91	1.02	34.75	22.11	0.99
1700.0	29.19	53.65	15.68	18.55	8.04	1.01	35.24	22.00	0.98
1800.0	28.58	51.63	16.85	18.97	6.89	1.00	34.52	22.17	1.04
1900.0	27.89	52.03	18.11	18.88	7.84	1.00	34.47	22.12	1.09
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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	31.63	64.74	12.89	19.36	21.20	1.04	33.05	22.03	0.97
800.0	31.41	64.36	12.16	19.06	20.59	1.05	33.55	22.23	0.85
900.0	31.25	64.59	11.95	18.76	21.45	1.05	33.68	22.23	0.92
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
1210.0	30.88	59.50	12.37	17.74	12.50	1.04	34.47	22.49	0.94
1220.0	30.87	57.52	12.39	17.73	9.98	1.04	34.22	22.33	0.95
1230.0	30.85	58.49	12.42	17.71	11.17	1.04	33.99	22.22	0.97
1240.0	30.84	57.65	12.44	17.67	10.16	1.04	33.74	22.27	0.98
1250.0	30.82	56.21	12.49	17.67	8.64	1.04	34.53	22.37	1.00
1260.0	30.80	56.22	12.51	17.67	8.67	1.04	34.31	22.44	0.90
1270.0	30.79	56.99	12.54	17.67	9.48	1.04	34.21	22.48	0.98
1280.0	30.77	56.06	12.58	17.58	8.55	1.04	34.43	22.45	0.98
1290.0	30.74	55.69	12.65	17.58	8.22	1.03	34.05	22.36	1.02
1300.0	30.72	56.57	12.68	17.58	9.12	1.03	33.96	22.35	0.99
1310.0	30.70	56.48	12.74	17.60	9.06	1.03	34.15	22.36	0.98
1320.0	30.68	57.06	12.76	17.59	9.70	1.03	34.12	22.35	0.98
1330.0	30.66	57.37	12.81	17.59	10.09	1.03	34.28	22.29	1.01
1340.0	30.64	55.43	12.86	17.56	8.10	1.03	34.10	22.31	1.01
1350.0	30.61	56.93	12.89	17.58	9.66	1.03	34.11	22.50	0.97
1360.0	30.59	56.82	12.95	17.60	9.57	1.03	34.43	22.49	1.03
1370.0	30.56	57.88	13.02	17.61	10.86	1.03	33.71	22.44	0.97
1380.0	30.54	55.41	13.06	17.58	8.20	1.03	34.40	22.37	1.01
1390.0	30.51	56.47	13.12	17.59	9.30	1.03	34.46	22.42	0.98
1400.0	30.48	55.06	13.15	17.63	7.94	1.03	34.45	22.32	0.98
1410.0	30.45	54.89	13.24	17.67	7.82	1.03	33.81	22.27	0.96
1420.0	30.42	56.35	13.29	17.68	9.28	1.03	34.10	22.29	0.98
1440.0	30.36	55.65	13.40	17.71	8.64	1.03	34.74	22.48	0.95
1460.0	30.29	55.71	13.54	17.78	8.79	1.03	34.40	22.50	1.01
1480.0	30.22	55.41	13.67	17.86	8.57	1.02	34.03	22.13	0.98
1500.0	30.15	54.41	13.79	17.96	7.71	1.02	34.04	22.47	1.00
1520.0	30.07	54.09	13.95	18.00	7.52	1.02	34.16	22.39	1.02
1540.0	29.99	54.04	14.11	18.12	7.57	1.02	35.01	22.62	1.09
1560.0	29.90	53.83	14.26	18.23	7.47	1.02	33.88	22.21	1.03
1580.0	29.81	53.65	14.44	18.36	7.41	1.02	34.37	22.44	1.07
1600.0	29.71	53.93	14.61	18.50	7.75	1.02	34.60	22.64	1.01
1700.0	29.19	54.02	15.55	19.30	8.40	1.01	34.38	22.47	1.01
1800.0	28.57	53.45	16.65	20.01	8.52	1.01	34.50	22.66	1.06
1900.0	27.86	52.77	17.87	20.09	8.58	1.00	34.27	22.63	1.13
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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	32.41	65.52	15.99	17.02	21.61	1.00	36.28	23.04	0.75
800.0	32.23	64.08	14.60	17.09	18.51	1.01	36.73	23.16	0.66
900.0	32.11	64.36	14.11	17.12	19.29	1.02	36.84	23.18	0.73
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
1210.0	31.80	59.26	14.36	16.77	11.13	1.02	36.68	23.40	0.71
1220.0	31.79	56.34	14.37	16.71	7.97	1.01	38.10	23.30	0.69
1230.0	31.77	57.89	14.37	16.68	9.53	1.01	37.81	23.23	0.70
1240.0	31.76	57.62	14.39	16.66	9.26	1.01	37.42	23.26	0.74
1250.0	31.74	58.34	14.39	16.64	10.07	1.01	36.54	23.32	0.74
1260.0	31.73	58.47	14.40	16.60	10.24	1.01	37.57	23.37	0.69
1270.0	31.72	57.91	14.40	16.61	9.62	1.01	37.10	23.40	0.70
1280.0	31.70	57.68	14.43	16.51	9.38	1.01	38.54	23.38	0.74
1290.0	31.68	55.79	14.47	16.48	7.58	1.01	37.41	23.33	0.76
1300.0	31.66	56.85	14.47	16.47	8.58	1.01	37.64	23.33	0.75
1310.0	31.64	57.38	14.50	16.49	9.14	1.01	37.93	23.33	0.72
1320.0	31.62	55.95	14.53	16.47	7.77	1.01	37.52	23.33	0.75
1330.0	31.59	57.82	14.54	16.46	9.66	1.01	37.55	23.29	0.79
1340.0	31.57	56.24	14.58	16.44	8.07	1.01	38.50	23.28	0.75
1350.0	31.55	56.45	14.60	16.44	8.30	1.01	37.13	23.43	0.73
1360.0	31.53	57.35	14.63	16.44	9.23	1.01	39.88	23.41	0.75
1370.0	31.50	55.65	14.68	16.41	7.62	1.01	37.14	23.40	0.72
1380.0	31.48	56.17	14.71	16.44	8.10	1.01	36.87	23.33	0.80
1390.0	31.46	56.24	14.74	16.43	8.19	1.01	38.14	23.39	0.74
1400.0	31.43	57.49	14.75	16.45	9.49	1.01	38.01	23.31	0.75
1410.0	31.41	55.60	14.82	16.46	7.66	1.01	37.37	23.28	0.68
1420.0	31.38	55.23	14.87	16.49	7.37	1.01	37.40	23.27	0.73
1440.0	31.32	56.48	14.96	16.49	8.57	1.01	36.76	23.40	0.67
1460.0	31.26	56.12	15.04	16.56	8.29	1.01	39.02	23.42	0.76
1480.0	31.20	53.93	15.17	16.59	6.51	1.01	37.22	23.16	0.75
1500.0	31.14	55.52	15.25	16.68	7.88	1.01	37.44	23.42	0.73
1520.0	31.07	54.84	15.33	16.59	7.34	1.01	37.05	23.37	0.77
1540.0	30.99	55.51	15.49	16.70	8.01	1.00	38.62	23.53	0.81
1560.0	30.91	54.56	15.67	16.76	7.25	1.00	37.09	23.27	0.75
1580.0	30.83	53.55	15.86	16.84	6.54	1.00	36.31	23.42	0.80
1600.0	30.75	54.32	16.04	16.87	7.22	1.00	37.07	23.55	0.74
1700.0	30.26	53.27	17.16	17.20	6.82	1.00	37.87	23.47	0.72
1800.0	29.67	52.85	18.58	17.51	7.00	0.99	38.24	23.57	0.78
1900.0	29.00	52.03	20.25	17.38	6.91	0.99	36.94	23.61	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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	32.20	64.37	15.93	16.94	19.37	1.01	37.83	22.45	0.75
800.0	32.04	64.99	14.56	17.04	20.98	1.02	36.71	22.56	0.65
900.0	31.93	63.49	14.09	17.03	17.82	1.02	36.94	22.61	0.70
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
1210.0	31.65	58.59	14.33	16.66	10.48	1.01	37.84	22.86	0.72
1220.0	31.64	57.27	14.35	16.65	9.02	1.01	37.34	22.76	0.68
1230.0	31.62	58.02	14.34	16.60	9.84	1.01	35.99	22.69	0.66
1240.0	31.61	58.91	14.34	16.57	10.91	1.01	37.74	22.72	0.75
1250.0	31.60	58.38	14.37	16.54	10.29	1.01	36.63	22.79	0.74
1260.0	31.58	57.53	14.37	16.51	9.35	1.01	37.14	22.83	0.68
1270.0	31.57	58.12	14.38	16.50	10.02	1.01	37.01	22.87	0.71
1280.0	31.55	57.58	14.38	16.40	9.43	1.01	37.85	22.85	0.75
1290.0	31.53	55.38	14.43	16.39	7.34	1.01	37.60	22.80	0.75
1300.0	31.51	56.03	14.44	16.37	7.92	1.01	36.38	22.79	0.74
1310.0	31.49	56.65	14.47	16.39	8.53	1.01	37.54	22.79	0.73
1320.0	31.47	56.20	14.50	16.39	8.12	1.01	37.18	22.80	0.74
1330.0	31.45	57.10	14.51	16.37	9.03	1.01	36.81	22.74	0.76
1340.0	31.43	55.99	14.53	16.33	7.97	1.01	36.93	22.75	0.75
1350.0	31.41	57.28	14.57	16.34	9.27	1.01	38.57	22.90	0.74
1360.0	31.39	55.41	14.60	16.32	7.49	1.01	37.40	22.88	0.78
1370.0	31.37	58.31	14.64	16.36	10.49	1.01	37.19	22.86	0.71
1380.0	31.35	56.44	14.68	16.33	8.49	1.01	36.98	22.81	0.75
1390.0	31.32	56.89	14.72	16.34	8.96	1.01	37.84	22.86	0.73
1400.0	31.30	55.87	14.73	16.33	8.00	1.01	36.44	22.77	0.72
1410.0	31.27	56.20	14.79	16.36	8.33	1.01	36.84	22.74	0.70
1420.0	31.25	55.10	14.83	16.37	7.37	1.01	36.76	22.74	0.73
1440.0	31.19	55.66	14.92	16.39	7.92	1.01	37.02	22.88	0.68
1460.0	31.14	56.04	15.02	16.44	8.33	1.01	37.58	22.89	0.77
1480.0	31.07	55.37	15.11	16.48	7.78	1.01	37.05	22.62	0.72
1500.0	31.01	55.36	15.22	16.54	7.83	1.01	37.69	22.90	0.76
1520.0	30.95	54.53	15.30	16.48	7.18	1.00	37.77	22.85	0.76
1540.0	30.87	54.51	15.47	16.56	7.23	1.00	36.91	23.01	0.81
1560.0	30.80	54.64	15.63	16.63	7.42	1.00	36.60	22.74	0.75
1580.0	30.71	53.72	15.81	16.67	6.75	1.00	37.12	22.90	0.80
1600.0	30.63	54.18	16.00	16.74	7.19	1.00	37.83	23.03	0.76
1700.0	30.15	53.51	17.13	17.04	7.10	1.00	37.47	22.95	0.71
1800.0	29.57	52.87	18.53	17.34	7.10	0.99	37.98	23.07	0.78
1900.0	28.91	52.93	20.21	17.19	7.73	0.99	36.88	23.11	0.81
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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	32.50	62.01	16.09	17.00	14.28	1.00	37.36	23.54	0.76
800.0	32.32	61.05	14.71	17.10	12.94	1.01	36.38	23.66	0.65
900.0	32.19	60.34	14.25	17.13	12.06	1.02	36.68	23.64	0.71
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
1210.0	31.87	57.86	14.44	16.77	9.41	1.01	38.38	23.84	0.73
1220.0	31.85	60.64	14.44	16.77	12.97	1.01	37.92	23.74	0.70
1230.0	31.84	58.20	14.47	16.74	9.82	1.01	37.81	23.66	0.73
1240.0	31.82	57.64	14.47	16.70	9.22	1.01	37.29	23.69	0.77
1250.0	31.81	57.68	14.48	16.69	9.28	1.01	37.02	23.75	0.75
1260.0	31.79	57.87	14.49	16.63	9.51	1.01	39.39	23.80	0.68
1270.0	31.78	58.67	14.50	16.63	10.43	1.01	38.19	23.83	0.71
1280.0	31.76	57.22	14.49	16.54	8.84	1.01	37.17	23.81	0.75
1290.0	31.74	56.70	14.54	16.53	8.36	1.01	36.34	23.77	0.76
1300.0	31.72	56.93	14.54	16.50	8.60	1.01	37.88	23.76	0.76
1310.0	31.70	57.68	14.57	16.53	9.39	1.01	38.09	23.75	0.76
1320.0	31.68	56.41	14.59	16.51	8.14	1.01	38.44	23.76	0.73
1330.0	31.65	57.82	14.61	16.49	9.60	1.01	38.50	23.70	0.77
1340.0	31.63	58.29	14.65	16.45	10.16	1.01	37.76	23.71	0.78
1350.0	31.61	56.34	14.68	16.47	8.14	1.01	37.12	23.85	0.74
1360.0	31.59	56.47	14.71	16.47	8.29	1.01	38.64	23.83	0.75
1370.0	31.56	56.44	14.74	16.47	8.29	1.01	38.39	23.82	0.71
1380.0	31.54	57.34	14.79	16.49	9.22	1.01	37.12	23.75	0.78
1390.0	31.51	57.44	14.82	16.49	9.35	1.01	38.28	23.81	0.73
1400.0	31.49	55.53	14.84	16.49	7.54	1.01	37.35	23.73	0.74
1410.0	31.46	57.46	14.88	16.51	9.44	1.01	38.35	23.70	0.72
1420.0	31.44	55.83	14.93	16.53	7.85	1.01	38.21	23.69	0.75
1440.0	31.38	55.63	15.01	16.54	7.73	1.01	37.86	23.83	0.73
1460.0	31.32	55.78	15.12	16.60	7.94	1.01	37.91	23.83	0.76
1480.0	31.26	55.73	15.20	16.64	7.95	1.01	36.71	23.57	0.72
1500.0	31.19	55.85	15.32	16.71	8.13	1.01	37.75	23.84	0.78
1520.0	31.12	54.24	15.39	16.65	6.81	1.00	37.98	23.78	0.79
1540.0	31.05	54.88	15.55	16.74	7.41	1.00	38.11	23.94	0.82
1560.0	30.97	54.31	15.73	16.85	7.02	1.00	37.28	23.68	0.77
1580.0	30.88	54.37	15.90	16.84	7.15	1.00	37.55	23.83	0.81
1600.0	30.80	54.38	16.10	16.92	7.24	1.00	38.20	23.95	0.77
1700.0	30.30	52.22	17.27	17.25	6.03	1.00	37.72	23.87	0.73
1800.0	29.71	53.18	18.61	17.59	7.25	0.99	36.94	23.96	0.79
1900.0	29.03	52.42	20.37	17.44	7.21	0.99	38.33	24.02	0.83
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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	30.82	64.38	11.37	20.83	21.89	1.06	31.08	20.30	1.18
800.0	30.59	64.38	10.87	20.23	22.23	1.07	31.40	20.52	1.09
900.0	30.45	61.97	10.76	19.61	17.06	1.07	31.52	20.39	1.20
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
1210.0	30.12	57.30	11.43	17.99	10.45	1.05	31.99	20.79	1.22
1220.0	30.10	57.17	11.47	18.00	10.33	1.05	31.77	20.59	1.19
1230.0	30.09	58.40	11.51	17.95	11.91	1.05	31.92	20.43	1.23
1240.0	30.07	56.88	11.55	17.94	10.03	1.05	31.75	20.46	1.27
1250.0	30.06	56.87	11.60	17.93	10.05	1.05	31.85	20.57	1.23
1260.0	30.04	56.87	11.64	17.88	10.08	1.05	32.03	20.69	1.17
1270.0	30.02	56.40	11.69	17.90	9.57	1.05	32.15	20.75	1.24
1280.0	30.01	56.87	11.71	17.82	10.11	1.05	32.12	20.72	1.25
1290.0	29.99	56.24	11.78	17.82	9.45	1.05	32.05	20.63	1.28
1300.0	29.96	55.97	11.83	17.80	9.19	1.05	31.68	20.57	1.24
1310.0	29.94	56.69	11.89	17.84	10.02	1.05	32.03	20.60	1.24
1320.0	29.92	56.78	11.94	17.84	10.15	1.05	31.89	20.58	1.24
1330.0	29.90	56.67	12.00	17.84	10.07	1.04	31.82	20.49	1.27
1340.0	29.87	57.95	12.05	17.82	11.70	1.04	31.99	20.52	1.29
1350.0	29.85	57.99	12.12	17.84	11.80	1.04	32.10	20.75	1.25
1360.0	29.82	56.64	12.17	17.87	10.14	1.04	32.37	20.77	1.27
1370.0	29.80	55.76	12.22	17.84	9.20	1.04	32.06	20.69	1.24
1380.0	29.77	55.14	12.29	17.87	8.60	1.04	32.28	20.63	1.29
1390.0	29.75	55.62	12.36	17.89	9.13	1.04	32.13	20.68	1.26
1400.0	29.72	55.40	12.39	17.91	8.93	1.04	31.77	20.56	1.24
1410.0	29.69	55.90	12.47	17.93	9.50	1.04	31.99	20.49	1.24
1420.0	29.66	55.34	12.54	17.96	8.96	1.04	32.09	20.51	1.27
1440.0	29.60	55.06	12.66	18.01	8.75	1.04	32.21	20.73	1.20
1460.0	29.53	54.49	12.81	18.10	8.28	1.03	32.63	20.81	1.27
1480.0	29.46	55.08	12.92	18.18	8.94	1.03	31.70	20.32	1.24
1500.0	29.38	53.86	13.10	18.33	7.87	1.03	32.04	20.73	1.27
1520.0	29.32	54.16	13.17	18.30	8.21	1.03	32.26	20.63	1.31
1540.0	29.23	53.91	13.37	18.46	8.08	1.03	32.27	20.93	1.37
1560.0	29.14	55.62	13.52	18.63	9.96	1.03	31.81	20.42	1.29
1580.0	29.04	52.97	13.72	18.80	7.45	1.03	32.11	20.68	1.36
1600.0	28.95	54.18	13.89	18.94	8.66	1.03	32.48	20.95	1.27
1700.0	28.41	52.10	14.80	19.92	7.34	1.02	32.58	20.75	1.29
1800.0	27.78	51.70	15.77	20.95	7.61	1.02	32.78	20.99	1.35
1900.0	27.08	52.86	16.77	21.24	9.47	1.01	32.35	20.88	1.38
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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	30.76	63.39	11.41	20.33	19.66	1.06	31.45	20.08	1.21
800.0	30.54	64.00	10.88	19.86	21.39	1.07	31.25	20.30	1.09
900.0	30.41	61.17	10.77	19.32	15.63	1.07	31.30	20.17	0.63
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
1210.0	30.09	58.71	11.46	17.93	12.33	1.05	31.68	20.56	1.19
1220.0	30.08	57.34	11.48	17.91	10.55	1.05	31.48	20.37	1.15
1230.0	30.06	56.70	11.54	17.89	9.83	1.05	32.07	20.22	1.20
1240.0	30.05	57.60	11.57	17.86	10.92	1.05	31.54	20.25	1.22
1250.0	30.03	58.97	11.61	17.84	12.82	1.05	31.82	20.37	1.21
1260.0	30.01	56.84	11.66	17.83	10.07	1.05	32.06	20.47	1.16
1270.0	30.00	56.95	11.70	17.84	10.22	1.05	31.95	20.55	1.21
1280.0	29.98	56.84	11.73	17.74	10.11	1.05	31.90	20.51	1.24
1290.0	29.96	56.54	11.80	17.77	9.80	1.05	31.86	20.41	1.25
1300.0	29.94	58.08	11.84	17.75	11.73	1.05	31.68	20.38	1.22
1310.0	29.92	57.24	11.91	17.77	10.69	1.05	31.95	20.39	1.22
1320.0	29.90	56.66	11.95	17.79	10.03	1.04	31.72	20.39	1.21
1330.0	29.88	55.89	12.02	17.78	9.22	1.04	31.88	20.29	1.28
1340.0	29.85	56.54	12.07	17.75	9.98	1.04	32.11	20.33	1.26
1350.0	29.83	55.41	12.12	17.74	8.79	1.04	31.84	20.55	1.26
1360.0	29.80	55.54	12.18	17.77	8.96	1.04	32.09	20.57	1.25
1370.0	29.78	56.81	12.25	17.79	10.41	1.04	32.06	20.49	1.19
1380.0	29.75	55.07	12.31	17.79	8.55	1.04	31.83	20.43	1.26
1390.0	29.72	54.66	12.38	17.80	8.19	1.04	31.71	20.49	1.22
1400.0	29.70	54.91	12.42	17.84	8.47	1.04	31.89	20.37	1.24
1410.0	29.67	56.15	12.50	17.83	9.81	1.04	32.00	20.28	1.23
1420.0	29.64	54.79	12.56	17.86	8.42	1.04	31.94	20.31	1.23
1440.0	29.58	55.38	12.70	17.89	9.10	1.03	32.10	20.54	1.20
1460.0	29.51	55.28	12.83	18.00	9.07	1.03	31.97	20.60	1.24
1480.0	29.44	54.69	12.97	18.06	8.57	1.03	31.65	20.15	1.23
1500.0	29.37	53.84	13.12	18.16	7.86	1.03	32.16	20.55	1.26
1520.0	29.30	53.93	13.22	18.17	8.01	1.03	32.11	20.43	1.31
1540.0	29.22	54.97	13.41	18.32	9.14	1.03	32.38	20.74	1.33
1560.0	29.13	54.31	13.56	18.48	8.57	1.03	31.78	20.24	1.29
1580.0	29.03	53.80	13.74	18.61	8.20	1.03	32.00	20.50	1.30
1600.0	28.94	53.88	13.94	18.75	8.38	1.02	32.52	20.76	1.29
1700.0	28.41	52.02	14.86	19.61	7.28	1.02	32.31	20.57	1.26
1800.0	27.78	52.25	15.88	20.40	8.09	1.01	32.44	20.80	1.32
1900.0	27.09	52.44	16.95	20.59	9.00	1.01	32.29	20.69	1.38
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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	30.86	70.44	11.36	21.21	43.79	1.07	31.33	20.42	1.21
800.0	30.63	61.99	10.85	20.45	16.81	1.07	31.59	20.68	1.13
900.0	30.48	63.08	10.76	19.75	19.31	1.07	31.38	20.57	1.20
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
1210.0	30.14	57.78	11.42	18.02	11.02	1.05	31.80	20.99	1.24
1220.0	30.12	58.48	11.46	18.02	11.97	1.05	31.96	20.79	1.22
1230.0	30.11	56.12	11.53	17.98	9.16	1.05	31.79	20.62	1.22
1240.0	30.09	57.87	11.55	17.97	11.23	1.05	31.78	20.64	1.27
1250.0	30.08	56.77	11.59	17.95	9.91	1.05	31.97	20.77	1.25
1260.0	30.06	56.93	11.64	17.91	10.13	1.05	32.28	20.89	1.20
1270.0	30.04	58.61	11.68	17.92	12.30	1.05	32.43	20.95	1.25
1280.0	30.03	56.91	11.71	17.81	10.15	1.05	32.27	20.92	1.26
1290.0	30.00	57.42	11.79	17.87	10.81	1.05	31.91	20.82	1.31
1300.0	29.98	60.10	11.83	17.89	14.74	1.05	31.70	20.76	1.27
1310.0	29.96	57.27	11.89	17.89	10.69	1.05	32.30	20.77	1.29
1320.0	29.94	56.30	11.94	17.89	9.60	1.05	31.83	20.77	1.26
1330.0	29.91	55.96	12.00	17.88	9.26	1.04	31.99	20.69	1.32
1340.0	29.89	56.67	12.05	17.85	10.09	1.04	31.91	20.71	1.30
1350.0	29.86	55.63	12.11	17.89	8.99	1.04	31.88	20.93	1.27
1360.0	29.84	56.82	12.16	17.90	10.34	1.04	32.46	20.95	1.29
1370.0	29.81	54.78	12.22	17.88	8.22	1.04	31.80	20.86	1.24
1380.0	29.79	56.08	12.29	17.96	9.58	1.04	32.09	20.82	1.32
1390.0	29.76	55.08	12.35	17.95	8.57	1.04	31.92	20.86	1.28
1400.0	29.73	55.40	12.39	17.99	8.93	1.04	31.83	20.73	1.26
1410.0	29.70	54.95	12.47	17.99	8.52	1.04	32.07	20.65	1.25
1420.0	29.67	55.17	12.52	18.03	8.78	1.04	31.94	20.67	1.28
1440.0	29.61	54.99	12.64	18.08	8.67	1.04	32.29	20.91	1.23
1460.0	29.54	55.81	12.78	18.19	9.62	1.03	32.30	20.98	1.29
1480.0	29.47	53.38	12.94	18.29	7.37	1.03	31.79	20.51	1.26
1500.0	29.39	53.87	13.07	18.42	7.88	1.03	32.16	20.90	1.29
1520.0	29.32	54.32	13.15	18.41	8.36	1.03	32.16	20.78	1.34
1540.0	29.23	54.52	13.35	18.59	8.67	1.03	32.30	21.11	1.38
1560.0	29.14	54.04	13.50	18.79	8.31	1.03	32.02	20.59	1.30
1580.0	29.05	54.53	13.67	18.93	8.91	1.03	32.44	20.84	1.37
1600.0	28.95	54.46	13.85	19.13	8.95	1.03	32.42	21.10	1.34
1700.0	28.41	53.04	14.73	20.26	8.18	1.02	32.46	20.90	1.30
1800.0	27.77	52.45	15.70	21.47	8.30	1.02	32.56	21.14	1.40
1900.0	27.07	51.70	16.68	21.97	8.31	1.01	32.49	21.00	1.42
2000.0	26.31	52.17	17.63	21.09	9.59	1.01	32.55	21.17	1.45