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 = 3V, Id = 79.04 mA @ 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)
40.0	26.24	32.67	10.16	11.85	1.12	0.80	32.67	17.98	1.28
60.0	26.29	31.42	10.23	14.46	1.04	0.77	33.91	18.49	0.96
80.0	26.28	31.53	10.24	16.25	1.06	0.80	33.60	18.97	0.84
200.0	25.82	30.79	9.39	19.53	1.02	0.82	34.29	19.13	0.62
300.0	25.22	30.21	8.44	19.21	1.01	0.84	34.11	19.01	0.79
400.0	24.50	29.86	7.66	18.57	1.02	0.87	33.76	18.77	0.80
500.0	23.68	29.36	7.04	18.17	1.04	0.88	33.56	18.78	0.81
600.0	22.92	28.80	6.53	17.64	1.06	0.89	33.82	18.79	0.84
700.0	22.13	28.47	6.17	17.35	1.08	0.92	34.14	18.63	0.85
800.0	21.36	28.07	5.95	17.29	1.09	0.96	34.05	18.65	0.87
900.0	20.66	27.70	5.76	16.95	1.09	0.99	34.67	18.94	0.87
1000.0	20.00	27.31	5.60	16.74	1.08	1.03	34.22	18.97	0.93
1250.0	18.50	26.37	5.40	16.39	1.04	1.11	34.27	18.79	0.96
1500.0	17.22	25.50	5.40	16.27	1.03	1.16	34.78	18.91	1.07
1750.0	15.98	24.86	5.82	16.11	1.10	1.16	35.14	19.25	1.22
2000.0	15.19	23.80	5.76	15.76	1.08	1.14	34.67	19.23	1.12
2250.0	14.44	22.99	6.17	15.35	1.14	1.09	35.18	19.41	1.25
2500.0	13.76	22.18	6.71	14.73	1.20	1.02	36.58	19.84	1.29
2750.0	13.13	21.45	7.24	13.90	1.27	0.95	36.40	20.05	1.45
3000.0	12.61	20.74	8.02	13.13	1.30	0.88	36.85	20.24	1.32
3250.0	12.10	20.06	8.79	12.32	1.30	0.84	36.21	20.24	1.33
3500.0	11.59	19.51	9.53	11.61	1.27	0.84	36.89	20.51	1.43
3750.0	11.05	19.06	10.13	10.94	1.22	0.86	36.41	20.41	1.52
4000.0	10.48	18.71	10.49	10.27	1.18	0.90	35.92	20.27	1.48
4250.0	10.14	18.22	11.14	10.16	1.17	0.88	36.49	20.53	1.61
4500.0	9.84	17.73	11.72	10.25	1.22	0.83	36.18	20.83	1.65
4750.0	9.37	17.45	11.90	10.24	1.30	0.79	36.15	20.69	1.78
5000.0	9.00	16.99	11.04	10.93	1.33	0.78	35.33	20.72	1.96
5250.0	8.62	16.59	10.39	11.20	1.33	0.79	35.60	20.75	1.96
5500.0	8.19	16.28	9.53	11.84	1.29	0.85	35.18	20.58	2.17
5750.0	7.76	16.02	8.50	13.11	1.24	0.94	34.16	20.51	2.41
6000.0	7.25	15.88	7.30	14.88	1.20	1.05	33.44	20.41	2.50
6250.0	6.69	15.82	6.18	16.50	1.17	1.13	33.05	20.10	2.79
6500.0	6.14	15.86	5.21	16.39	1.13	1.22	32.11	19.68	3.01
6750.0	5.48	16.01	4.42	14.23	1.06	1.29	31.82	19.12	3.40
7000.0	4.73	16.16	3.89	12.05	1.02	1.33	31.43	18.41	3.83

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 = 2.75V, Id =69.01 mA @ 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)
40.0	26.05	32.30	10.02	11.65	1.11	0.78	33.05	17.17	1.24
60.0	26.11	31.44	10.11	14.22	1.05	0.79	33.40	17.67	0.96
80.0	26.10	31.31	10.04	16.04	1.05	0.80	33.75	18.13	0.80
200.0	25.65	30.59	9.22	19.33	1.01	0.83	33.93	18.31	0.59
300.0	25.06	30.05	8.33	19.02	1.00	0.85	34.20	18.20	0.77
400.0	24.35	29.51	7.58	18.43	1.00	0.86	34.04	17.94	0.79
500.0	23.54	29.15	6.97	18.07	1.03	0.89	33.69	17.96	0.86
600.0	22.78	28.72	6.48	17.52	1.06	0.90	34.11	17.96	0.83
700.0	22.00	28.24	6.12	17.22	1.07	0.92	34.94	17.80	0.87
800.0	21.23	27.88	5.90	17.14	1.09	0.95	34.10	17.82	0.89
900.0	20.54	27.47	5.71	16.80	1.08	0.98	34.21	18.11	0.88
1000.0	19.88	27.17	5.56	16.62	1.08	1.02	34.46	18.15	0.95
1250.0	18.38	26.23	5.37	16.22	1.04	1.11	34.48	17.98	0.91
1500.0	17.10	25.36	5.36	16.10	1.02	1.16	34.52	18.11	1.02
1750.0	15.86	24.73	5.76	15.92	1.09	1.16	35.63	18.45	1.19
2000.0	15.08	23.73	5.70	15.54	1.07	1.15	34.82	18.42	1.10
2250.0	14.33	22.91	6.11	15.16	1.13	1.09	35.29	18.59	1.22
2500.0	13.65	22.09	6.63	14.55	1.20	1.02	36.38	19.02	1.27
2750.0	13.02	21.42	7.15	13.76	1.27	0.95	36.43	19.25	1.38
3000.0	12.50	20.68	7.92	13.03	1.30	0.88	36.55	19.43	1.31
3250.0	12.00	20.05	8.67	12.25	1.31	0.85	36.39	19.42	1.28
3500.0	11.50	19.48	9.39	11.57	1.27	0.84	36.52	19.70	1.42
3750.0	10.96	19.04	9.99	10.91	1.23	0.87	36.20	19.56	1.49
4000.0	10.39	18.70	10.34	10.27	1.18	0.90	35.63	19.44	1.53
4250.0	10.05	18.22	10.99	10.15	1.18	0.89	36.10	19.73	1.55
4500.0	9.75	17.68	11.55	10.25	1.22	0.83	35.55	19.99	1.54
4750.0	9.29	17.39	11.74	10.27	1.30	0.79	35.93	19.87	1.79
5000.0	8.92	16.98	10.88	10.95	1.34	0.78	34.93	19.91	1.90
5250.0	8.54	16.58	10.24	11.24	1.34	0.79	35.39	19.98	1.95
5500.0	8.11	16.28	9.40	11.90	1.30	0.86	35.07	19.78	2.13
5750.0	7.68	16.01	8.37	13.19	1.24	0.95	33.77	19.68	2.32
6000.0	7.17	15.88	7.20	14.98	1.21	1.05	33.59	19.64	2.41
6250.0	6.61	15.82	6.10	16.59	1.18	1.14	33.23	19.28	2.73
6500.0	6.05	15.86	5.14	16.41	1.13	1.22	32.52	18.87	3.02
6750.0	5.39	16.01	4.36	14.22	1.07	1.30	31.82	18.28	3.20
7000.0	4.64	16.17	3.84	12.02	1.02	1.33	31.70	17.59	3.72

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.25V, Id = 87.92 mA @ 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)
40.0	26.37	32.80	10.29	11.94	1.13	0.80	33.26	18.79	1.38
60.0	26.42	32.26	10.29	14.52	1.10	0.81	33.37	19.31	1.02
80.0	26.40	31.68	10.39	16.33	1.06	0.80	34.49	19.79	0.86
200.0	25.93	30.99	9.51	19.65	1.03	0.83	34.38	19.93	0.62
300.0	25.32	30.40	8.52	19.34	1.02	0.84	33.99	19.82	0.79
400.0	24.60	29.89	7.72	18.73	1.02	0.86	33.56	19.57	0.82
500.0	23.78	29.58	7.09	18.32	1.06	0.89	33.65	19.59	0.83
600.0	23.01	29.09	6.57	17.80	1.07	0.90	34.11	19.59	0.87
700.0	22.23	28.62	6.21	17.54	1.08	0.93	34.24	19.44	0.89
800.0	21.45	28.30	5.98	17.45	1.10	0.96	34.13	19.48	0.90
900.0	20.75	27.83	5.78	17.12	1.09	0.99	34.04	19.73	0.89
1000.0	20.08	27.47	5.62	16.92	1.09	1.03	34.49	19.78	0.95
1250.0	18.58	26.51	5.43	16.58	1.05	1.11	34.27	19.59	0.94
1500.0	17.30	25.54	5.43	16.45	1.03	1.16	34.80	19.73	1.07
1750.0	16.06	24.93	5.85	16.29	1.11	1.16	35.06	20.04	1.24
2000.0	15.27	23.85	5.79	15.91	1.08	1.14	34.46	20.03	1.17
2250.0	14.52	23.01	6.21	15.48	1.14	1.09	34.75	20.18	1.26
2500.0	13.83	22.23	6.76	14.79	1.20	1.02	36.31	20.62	1.32
2750.0	13.20	21.51	7.30	13.93	1.27	0.94	36.29	20.84	1.44
3000.0	12.68	20.79	8.09	13.14	1.30	0.88	36.59	21.01	1.37
3250.0	12.16	20.11	8.86	12.31	1.30	0.84	36.08	21.01	1.39
3500.0	11.65	19.57	9.62	11.58	1.27	0.84	36.45	21.24	1.51
3750.0	11.11	19.12	10.23	10.89	1.23	0.86	35.91	21.14	1.59
4000.0	10.53	18.73	10.58	10.23	1.18	0.89	35.82	20.99	1.56
4250.0	10.19	18.30	11.25	10.11	1.18	0.88	36.20	21.27	1.63
4500.0	9.89	17.77	11.84	10.18	1.22	0.83	36.38	21.53	1.72
4750.0	9.42	17.47	12.03	10.16	1.29	0.78	35.80	21.41	1.82
5000.0	9.05	17.01	11.14	10.82	1.33	0.77	35.63	21.44	2.02
5250.0	8.67	16.64	10.49	11.09	1.33	0.78	35.30	21.48	2.00
5500.0	8.24	16.30	9.61	11.73	1.29	0.85	34.69	21.28	2.27
5750.0	7.81	16.04	8.57	12.98	1.24	0.94	33.84	21.31	2.49
6000.0	7.30	15.92	7.37	14.70	1.20	1.04	33.55	21.22	2.57
6250.0	6.74	15.86	6.24	16.30	1.17	1.13	32.89	20.89	2.90
6500.0	6.19	15.89	5.26	16.35	1.13	1.21	32.19	20.52	3.18
6750.0	5.54	16.03	4.46	14.27	1.07	1.29	31.55	19.88	3.50
7000.0	4.80	16.18	3.92	12.11	1.03	1.32	31.49	19.30	4.00

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 = 3V, Id =92.19 mA @ Temperature = -55degC

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)
40.0	26.51	32.32	11.17	11.91	1.07	0.77	36.02	18.17	1.03
60.0	26.37	31.28	11.69	14.23	1.04	0.74	36.48	18.64	0.69
80.0	26.27	31.19	11.69	15.76	1.05	0.76	37.30	19.18	0.64
200.0	25.80	30.68	10.77	18.63	1.05	0.77	37.11	19.34	0.42
300.0	25.26	30.38	9.75	17.75	1.07	0.78	35.82	19.25	0.60
400.0	24.60	29.85	8.62	17.13	1.08	0.79	34.55	18.78	0.62
500.0	23.83	29.53	7.78	16.79	1.10	0.82	35.12	18.81	0.70
600.0	23.12	29.05	7.10	16.49	1.10	0.85	34.76	18.77	0.65
700.0	22.40	28.67	6.65	16.41	1.10	0.89	34.87	18.67	0.65
800.0	21.65	28.32	6.33	16.54	1.09	0.94	34.68	18.64	0.63
900.0	20.98	27.86	6.14	16.51	1.08	0.98	35.16	18.90	0.66
1000.0	20.37	27.45	5.93	16.45	1.05	1.02	35.16	18.92	0.65
1250.0	18.87	26.53	5.57	15.88	1.00	1.12	34.48	18.57	0.65
1500.0	17.61	25.56	5.50	16.12	0.99	1.16	35.09	18.78	0.82
1750.0	16.43	24.81	6.11	16.04	1.09	1.12	35.72	19.08	0.83
2000.0	15.63	23.79	5.86	16.41	1.10	1.10	35.47	19.15	0.82
2250.0	14.89	22.88	6.32	16.22	1.15	1.03	35.83	19.35	0.87
2500.0	14.27	22.00	6.95	15.71	1.20	0.96	37.07	19.66	0.95
2750.0	13.64	21.27	7.58	14.67	1.24	0.90	36.95	19.99	1.09
3000.0	13.13	20.54	8.36	14.12	1.25	0.86	37.32	20.08	0.89
3250.0	12.60	19.89	9.02	13.37	1.22	0.85	37.09	20.20	0.95
3500.0	12.09	19.33	9.84	12.56	1.19	0.86	37.58	20.53	0.89
3750.0	11.55	18.86	10.45	11.71	1.15	0.88	37.59	20.43	1.08
4000.0	10.88	18.56	10.59	10.75	1.13	0.90	36.71	20.15	1.16
4250.0	10.62	18.04	11.49	10.68	1.18	0.83	37.69	20.74	1.11
4500.0	10.39	17.44	12.56	10.68	1.22	0.75	38.13	20.90	1.02
4750.0	9.94	17.11	12.81	10.44	1.27	0.71	36.87	20.80	1.19
5000.0	9.47	16.77	12.00	11.08	1.28	0.74	36.21	20.89	1.35
5250.0	9.12	16.37	11.20	11.16	1.23	0.78	36.53	20.94	1.43
5500.0	8.71	16.03	9.99	12.06	1.17	0.87	35.59	20.51	1.46
5750.0	8.23	15.80	8.67	13.53	1.13	0.97	34.75	20.50	1.70
6000.0	7.72	15.67	7.38	15.59	1.12	1.05	34.25	20.48	1.85
6250.0	7.20	15.62	6.22	17.32	1.11	1.12	34.10	20.11	2.03
6500.0	6.63	15.61	5.19	16.51	1.06	1.20	32.99	19.69	2.35
6750.0	6.01	15.70	4.41	14.11	1.02	1.25	32.52	19.22	2.39
7000.0	5.31	15.82	3.84	11.97	1.05	1.25	32.21	18.62	2.78

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 = 2.75V, Id =81.69 mA @ Temperature = -55degC

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)
40.0	26.32	32.11	11.03	11.84	1.07	0.77	36.83	18.17	0.98
60.0	26.20	31.23	11.45	14.22	1.04	0.75	36.63	18.64	0.67
80.0	26.09	31.06	11.51	15.79	1.05	0.77	38.01	19.18	0.59
200.0	25.64	30.49	10.66	18.83	1.05	0.78	36.26	19.34	0.37
300.0	25.11	30.22	9.68	17.92	1.06	0.79	35.76	19.25	0.59
400.0	24.46	29.68	8.58	17.25	1.07	0.79	35.02	18.78	0.64
500.0	23.70	29.30	7.76	16.84	1.09	0.82	35.51	18.81	0.69
600.0	23.00	28.90	7.06	16.51	1.09	0.85	35.59	18.77	0.65
700.0	22.29	28.47	6.63	16.38	1.09	0.88	34.99	18.67	0.62
800.0	21.54	28.11	6.31	16.51	1.09	0.93	34.80	18.64	0.58
900.0	20.88	27.67	6.12	16.44	1.07	0.97	35.08	18.90	0.65
1000.0	20.27	27.30	5.91	16.35	1.05	1.02	35.23	18.92	0.68
1250.0	18.77	26.39	5.55	15.78	0.99	1.12	34.77	18.57	0.65
1500.0	17.52	25.48	5.47	15.99	0.99	1.16	34.88	18.78	0.79
1750.0	16.34	24.73	6.07	15.85	1.09	1.12	36.12	19.08	0.85
2000.0	15.54	23.69	5.82	16.18	1.09	1.10	35.22	19.15	0.81
2250.0	14.80	22.86	6.28	16.01	1.15	1.04	35.96	19.35	0.85
2500.0	14.18	22.00	6.89	15.53	1.20	0.97	37.42	19.66	0.93
2750.0	13.56	21.26	7.51	14.56	1.25	0.90	37.15	19.99	1.08
3000.0	13.05	20.50	8.27	14.04	1.25	0.86	37.28	20.08	0.87
3250.0	12.53	19.85	8.92	13.35	1.22	0.85	37.39	20.20	0.88
3500.0	12.03	19.28	9.71	12.55	1.18	0.86	37.92	20.53	0.85
3750.0	11.48	18.81	10.32	11.71	1.14	0.88	37.72	20.43	1.02
4000.0	10.82	18.54	10.47	10.77	1.13	0.90	36.78	20.15	1.13
4250.0	10.56	18.00	11.36	10.68	1.18	0.83	37.12	20.74	1.05
4500.0	10.33	17.41	12.43	10.71	1.22	0.75	38.28	20.90	1.03
4750.0	9.88	17.07	12.67	10.47	1.27	0.71	36.93	20.80	1.18
5000.0	9.42	16.76	11.87	11.13	1.28	0.74	37.17	20.89	1.27
5250.0	9.07	16.35	11.08	11.22	1.23	0.79	36.85	20.94	1.37
5500.0	8.67	15.99	9.89	12.16	1.17	0.88	35.59	20.51	1.35
5750.0	8.18	15.78	8.58	13.65	1.13	0.97	35.13	20.50	1.65
6000.0	7.67	15.65	7.29	15.75	1.12	1.05	34.57	20.48	1.82
6250.0	7.14	15.58	6.15	17.48	1.11	1.13	34.24	20.11	2.01
6500.0	6.57	15.60	5.14	16.53	1.06	1.21	33.36	19.69	2.29
6750.0	5.95	15.67	4.36	14.09	1.01	1.26	32.95	19.22	2.30
7000.0	5.25	15.80	3.80	11.92	1.04	1.25	32.20	18.62	2.78

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 = 3.25V, Id = 101.39 mA @ Temperature = -55degC

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)
40.0	26.65	32.16	11.31	11.89	1.05	0.75	35.45	19.10	1.08
60.0	26.52	32.10	11.71	14.13	1.08	0.79	35.65	19.61	0.72
80.0	26.40	31.36	11.86	15.70	1.05	0.76	36.85	20.17	0.64
200.0	25.92	30.76	10.89	18.55	1.05	0.76	36.42	20.36	0.43
300.0	25.37	30.43	9.81	17.66	1.07	0.77	36.00	20.27	0.62
400.0	24.71	30.03	8.66	17.12	1.08	0.79	34.84	19.79	0.65
500.0	23.92	29.64	7.82	16.82	1.10	0.82	34.98	19.84	0.67
600.0	23.20	29.25	7.11	16.57	1.10	0.85	34.83	19.83	0.65
700.0	22.49	28.77	6.67	16.51	1.10	0.89	34.49	19.71	0.65
800.0	21.73	28.39	6.35	16.69	1.09	0.94	34.18	19.69	0.64
900.0	21.06	27.96	6.16	16.67	1.08	0.98	35.04	19.95	0.99
1000.0	20.45	27.61	5.95	16.64	1.06	1.03	34.88	20.00	0.67
1250.0	18.94	26.58	5.59	16.07	1.00	1.12	34.36	19.64	0.69
1500.0	17.68	25.66	5.52	16.34	1.00	1.16	34.77	19.85	0.81
1750.0	16.49	24.90	6.13	16.25	1.10	1.12	35.23	20.12	0.87
2000.0	15.69	23.82	5.90	16.60	1.10	1.10	34.83	20.19	0.85
2250.0	14.95	22.94	6.36	16.37	1.16	1.03	35.70	20.39	0.90
2500.0	14.32	22.08	6.99	15.78	1.20	0.96	36.21	20.67	0.98
2750.0	13.69	21.35	7.62	14.70	1.25	0.90	36.31	20.94	1.10
3000.0	13.18	20.59	8.42	14.10	1.25	0.86	36.92	20.98	0.90
3250.0	12.65	19.93	9.10	13.33	1.22	0.85	36.36	21.08	0.96
3500.0	12.14	19.40	9.91	12.47	1.19	0.86	36.77	21.22	0.92
3750.0	11.59	18.92	10.54	11.62	1.15	0.88	37.16	21.18	1.08
4000.0	10.92	18.62	10.67	10.67	1.13	0.89	36.08	21.11	1.08
4250.0	10.66	18.08	11.57	10.59	1.18	0.82	37.84	21.32	1.14
4500.0	10.42	17.49	12.66	10.59	1.22	0.74	37.53	21.60	1.14
4750.0	9.97	17.14	12.91	10.35	1.27	0.71	36.50	21.74	1.24
5000.0	9.50	16.83	12.08	10.96	1.28	0.74	36.15	21.59	1.36
5250.0	9.15	16.42	11.27	11.03	1.23	0.78	36.71	21.59	1.44
5500.0	8.74	16.06	10.05	11.92	1.16	0.87	35.13	21.52	1.52
5750.0	8.26	15.84	8.72	13.34	1.13	0.96	34.69	21.54	1.81
6000.0	7.75	15.71	7.42	15.35	1.12	1.04	34.39	21.54	1.91
6250.0	7.23	15.64	6.26	17.11	1.11	1.12	33.88	21.21	2.19
6500.0	6.67	15.65	5.23	16.52	1.07	1.20	32.78	20.78	2.34
6750.0	6.05	15.72	4.44	14.19	1.03	1.25	32.36	20.35	2.47
7000.0	5.36	15.84	3.87	12.05	1.06	1.24	31.85	19.67	2.99

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 = 3V, Id = 69.21 mA @ Temperature = +105degC

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)
40.0	25.61	32.76	9.28	10.81	1.18	0.80	31.07	18.77	1.98
60.0	25.83	31.67	9.09	13.09	1.08	0.80	30.75	18.26	1.39
80.0	25.88	31.64	8.95	14.56	1.07	0.82	31.25	18.55	1.08
200.0	25.49	30.72	8.39	17.25	0.99	0.87	32.07	18.58	0.81
300.0	24.80	30.14	7.56	17.18	0.96	0.92	31.87	18.60	0.87
400.0	24.06	29.48	6.90	17.03	0.95	0.94	32.18	18.41	1.01
500.0	23.25	29.04	6.44	16.94	0.98	0.95	32.36	18.42	1.17
600.0	22.46	28.46	6.09	16.66	1.01	0.95	32.84	18.48	1.08
700.0	21.66	28.17	5.85	16.59	1.05	0.96	33.22	18.35	1.09
800.0	20.89	27.77	5.69	16.51	1.08	0.97	32.87	18.34	0.99
900.0	20.19	27.42	5.62	16.43	1.11	0.99	33.44	18.71	0.06
1000.0	19.52	27.11	5.53	16.30	1.13	1.01	34.02	18.75	1.24
1250.0	18.01	26.40	5.41	16.08	1.14	1.09	33.97	18.60	1.26
1500.0	16.72	25.49	5.40	15.92	1.11	1.14	34.62	18.64	1.37
1750.0	15.48	24.87	5.65	15.54	1.14	1.17	34.99	18.94	1.50
2000.0	14.62	24.04	5.58	14.96	1.11	1.18	34.39	19.01	1.44
2250.0	13.75	23.49	6.07	14.55	1.21	1.14	35.16	19.17	1.61
2500.0	13.09	22.81	6.58	13.77	1.27	1.09	35.43	19.25	1.68
2750.0	12.46	22.12	7.12	12.82	1.35	1.01	35.63	19.34	1.85
3000.0	12.02	21.43	7.88	11.91	1.40	0.93	35.76	19.43	1.72
3250.0	11.55	20.82	8.68	11.12	1.43	0.86	35.37	19.52	1.91
3500.0	11.11	20.26	9.49	10.48	1.42	0.83	35.69	19.68	1.97
3750.0	10.62	19.77	10.15	10.01	1.38	0.84	35.25	19.54	1.86
4000.0	10.17	19.35	10.53	9.64	1.31	0.87	34.99	19.49	1.98
4250.0	9.76	18.97	10.78	9.48	1.26	0.90	35.04	19.87	2.02
4500.0	9.44	18.50	11.05	9.56	1.25	0.89	35.47	19.95	2.08
4750.0	8.96	18.18	11.10	9.68	1.33	0.87	35.26	19.91	2.34
5000.0	8.53	17.80	10.35	10.30	1.40	0.85	34.15	19.88	2.35
5250.0	8.14	17.39	9.83	10.56	1.44	0.83	35.05	20.08	2.61
5500.0	7.68	17.09	9.18	11.21	1.46	0.86	34.68	19.88	2.62
5750.0	7.23	16.85	8.33	12.30	1.45	0.92	33.73	20.05	2.90
6000.0	6.75	16.66	7.32	13.74	1.41	1.02	33.49	20.13	3.25
6250.0	6.18	16.62	6.24	15.30	1.38	1.11	33.15	19.81	3.45
6500.0	5.64	16.59	5.24	15.80	1.32	1.20	32.59	19.42	3.74
6750.0	4.95	16.75	4.40	14.50	1.27	1.28	32.54	19.25	4.10
7000.0	4.18	17.05	3.81	12.51	1.21	1.34	31.83	18.39	4.68

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 = 2.75V, Id = 61.46 mA @ Temperature = +105degC

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)
40.0	25.43	32.53	9.05	10.59	1.16	0.80	30.47	18.01	1.83
60.0	25.67	32.15	8.84	12.76	1.12	0.84	30.68	17.53	1.33
80.0	25.72	31.56	8.68	14.19	1.07	0.83	30.98	17.82	1.02
200.0	25.35	30.60	8.15	16.81	0.99	0.88	31.71	17.88	0.73
300.0	24.66	29.96	7.39	16.82	0.95	0.93	31.33	17.88	0.91
400.0	23.93	29.45	6.78	16.65	0.94	0.96	32.19	17.71	0.98
500.0	23.12	28.91	6.33	16.64	0.97	0.96	32.19	17.72	1.12
600.0	22.34	28.40	6.01	16.39	1.00	0.96	32.55	17.77	1.06
700.0	21.54	27.97	5.78	16.32	1.04	0.96	33.38	17.65	1.04
800.0	20.77	27.58	5.62	16.28	1.07	0.97	33.03	17.64	1.02
900.0	20.07	27.20	5.55	16.18	1.10	0.98	33.17	18.01	13.08
1000.0	19.41	26.90	5.47	16.07	1.12	1.01	33.98	18.05	1.17
1250.0	17.90	26.25	5.37	15.89	1.13	1.08	33.88	17.87	1.24
1500.0	16.62	25.35	5.35	15.70	1.10	1.14	34.59	17.92	1.36
1750.0	15.37	24.79	5.59	15.35	1.13	1.17	34.54	18.21	1.47
2000.0	14.52	23.95	5.52	14.76	1.10	1.19	34.23	18.26	1.40
2250.0	13.64	23.42	6.00	14.37	1.20	1.15	35.33	18.43	1.58
2500.0	12.98	22.75	6.49	13.60	1.27	1.09	35.21	18.48	1.66
2750.0	12.36	22.10	7.03	12.67	1.35	1.01	35.53	18.55	1.83
3000.0	11.92	21.39	7.77	11.79	1.40	0.93	35.46	18.64	1.68
3250.0	11.46	20.81	8.58	11.02	1.44	0.86	34.94	18.75	1.86
3500.0	11.02	20.23	9.36	10.42	1.43	0.83	34.77	18.88	1.93
3750.0	10.54	19.74	10.02	9.95	1.38	0.84	34.85	18.76	1.86
4000.0	10.09	19.31	10.39	9.61	1.31	0.88	34.41	18.66	1.94
4250.0	9.68	18.94	10.63	9.46	1.26	0.91	34.22	19.09	1.96
4500.0	9.36	18.47	10.90	9.57	1.25	0.90	34.65	19.14	2.01
4750.0	8.88	18.16	10.91	9.71	1.33	0.87	34.71	19.08	2.26
5000.0	8.46	17.79	10.18	10.34	1.40	0.86	33.82	19.11	2.42
5250.0	8.06	17.38	9.67	10.62	1.44	0.84	34.35	19.33	2.47
5500.0	7.60	17.07	9.04	11.28	1.47	0.86	34.39	19.16	2.53
5750.0	7.15	16.81	8.22	12.36	1.45	0.93	33.54	19.30	2.80
6000.0	6.67	16.63	7.22	13.82	1.41	1.02	33.74	19.32	3.18
6250.0	6.11	16.58	6.16	15.40	1.38	1.12	32.99	19.11	3.34
6500.0	5.56	16.58	5.19	15.88	1.33	1.20	32.24	18.69	3.68
6750.0	4.88	16.74	4.35	14.55	1.27	1.28	32.38	18.55	3.94
7000.0	4.11	17.04	3.77	12.56	1.21	1.34	31.83	17.61	4.38

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.25V, Id = 77.02 mA @ Temperature = +105degC

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)
40.0	25.73	32.94	9.51	10.91	1.19	0.80	30.65	19.50	2.20
60.0	25.94	31.92	9.34	13.29	1.10	0.80	30.89	18.98	1.54
80.0	25.98	31.74	9.24	14.74	1.08	0.82	31.23	19.27	1.19
200.0	25.58	30.87	8.63	17.50	1.01	0.87	32.12	19.26	0.89
300.0	24.89	30.24	7.74	17.45	0.97	0.91	32.38	19.27	0.97
400.0	24.14	29.68	7.03	17.26	0.97	0.94	32.22	19.08	1.08
500.0	23.33	29.22	6.54	17.19	0.99	0.95	32.27	19.10	1.18
600.0	22.53	28.70	6.18	16.88	1.02	0.95	32.98	19.17	1.14
700.0	21.74	28.27	5.92	16.77	1.06	0.96	33.09	19.04	1.12
800.0	20.96	27.96	5.75	16.72	1.10	0.98	32.94	19.04	1.07
900.0	20.26	27.62	5.67	16.63	1.12	0.99	33.17	19.42	1.20
1000.0	19.59	27.22	5.57	16.49	1.13	1.01	33.86	19.47	1.25
1250.0	18.08	26.56	5.45	16.26	1.14	1.09	33.89	19.29	1.33
1500.0	16.80	25.61	5.43	16.08	1.11	1.14	34.63	19.34	1.42
1750.0	15.55	25.01	5.68	15.70	1.15	1.17	34.82	19.66	1.53
2000.0	14.69	24.10	5.62	15.08	1.12	1.18	34.59	19.72	1.51
2250.0	13.82	23.52	6.11	14.66	1.21	1.14	35.35	19.89	1.66
2500.0	13.15	22.83	6.62	13.84	1.27	1.08	36.32	19.98	1.73
2750.0	12.53	22.14	7.18	12.85	1.35	1.00	35.86	20.06	1.89
3000.0	12.08	21.47	7.95	11.93	1.40	0.92	35.99	20.16	1.77
3250.0	11.62	20.86	8.78	11.12	1.43	0.86	35.76	20.26	1.95
3500.0	11.16	20.30	9.59	10.46	1.42	0.83	36.37	20.37	2.02
3750.0	10.67	19.82	10.25	9.98	1.38	0.84	35.93	20.27	1.95
4000.0	10.22	19.39	10.64	9.61	1.31	0.87	35.16	20.20	2.02
4250.0	9.81	19.01	10.88	9.45	1.26	0.90	35.69	20.56	2.03
4500.0	9.48	18.52	11.16	9.52	1.25	0.89	35.67	20.65	2.16
4750.0	9.00	18.20	11.18	9.64	1.33	0.86	35.45	20.55	2.33
5000.0	8.57	17.83	10.43	10.24	1.40	0.85	35.01	20.55	2.50
5250.0	8.18	17.44	9.90	10.51	1.44	0.83	35.32	20.71	2.67
5500.0	7.71	17.12	9.24	11.14	1.47	0.85	34.58	20.63	2.68
5750.0	7.27	16.86	8.40	12.19	1.45	0.92	33.97	20.74	3.01
6000.0	6.79	16.67	7.37	13.63	1.40	1.01	33.90	20.84	3.26
6250.0	6.22	16.62	6.28	15.17	1.37	1.11	33.31	20.58	3.55
6500.0	5.68	16.58	5.29	15.71	1.32	1.20	32.57	20.17	3.93
6750.0	5.00	16.75	4.44	14.52	1.27	1.28	32.52	19.93	4.19
7000.0	4.24	17.04	3.84	12.56	1.20	1.34	31.91	18.98	4.60