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, Rb=7.5Ω @ 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)
10.0	20.64	28.44	22.12	15.17	1.43	0.90	28.83	18.82	6.56
100.0	20.50	29.05	40.22	14.67	1.48	0.83	33.48	18.00	5.88
500.0	20.13	28.71	28.94	14.74	1.49	0.84	34.75	18.51	5.90
800.0	19.71	28.36	27.79	14.24	1.48	0.83	34.78	18.65	5.94
1000.0	19.34	27.98	26.09	13.73	1.47	0.83	33.56	18.72	5.94
1200.0	18.95	27.63	23.69	13.29	1.47	0.83	32.84	18.62	6.04
1400.0	18.52	27.24	22.29	12.68	1.45	0.83	32.87	18.36	6.06
1600.0	18.03	26.94	21.27	12.18	1.47	0.83	31.96	18.02	6.08
1800.0	17.54	26.64	20.16	11.81	1.49	0.83	31.81	18.30	6.07
2000.0	17.11	26.33	18.98	11.56	1.49	0.83	32.77	18.81	6.07
2200.0	16.61	26.00	18.62	11.37	1.50	0.83	33.28	19.20	6.11
2400.0	16.25	25.72	17.82	11.09	1.50	0.83	33.00	19.12	6.08
2700.0	15.70	25.30	17.62	10.77	1.50	0.83	32.54	18.79	6.22
2900.0	15.34	25.06	16.87	10.68	1.53	0.84	32.43	18.72	6.22
3100.0	15.02	24.79	16.80	10.77	1.51	0.84	32.60	18.43	6.25
3300.0	14.67	24.70	16.55	10.69	1.52	0.84	32.28	18.29	6.28
3500.0	14.42	24.38	16.39	10.56	1.52	0.84	31.89	18.38	6.28
3700.0	14.11	24.27	16.77	10.73	1.54	0.85	32.15	18.42	6.31
3900.0	13.83	24.20	16.79	11.14	1.57	0.85	32.03	18.25	6.42
4000.0	13.76	24.09	16.86	10.99	1.60	0.86	31.80	17.92	6.40
4100.0	13.60	24.22	17.37	11.28	1.66	0.87	31.84	17.96	6.42
4200.0	13.57	23.87	16.95	11.10	1.59	0.86	31.48	18.50	6.48
4400.0	13.42	23.72	16.55	10.89	1.58	0.86	31.46	18.72	6.48
4600.0	13.14	23.96	17.01	11.51	1.68	0.87	31.06	18.59	6.53
4800.0	13.02	23.57	16.71	11.37	1.63	0.87	31.06	18.63	6.62
5000.0	12.81	23.59	17.10	11.37	1.67	0.87	30.78	18.41	6.61
5200.0	12.71	23.46	17.16	11.20	1.66	0.86	30.23	18.22	6.70
5400.0	12.61	23.43	16.54	11.00	1.67	0.86	30.07	18.45	6.74
5600.0	12.46	23.44	17.14	10.92	1.70	0.86	29.94	18.41	6.79
5800.0	12.35	23.58	16.86	11.28	1.75	0.87	29.94	18.34	6.89
6000.0	12.28	23.70	17.12	11.00	1.78	0.86	29.90	18.20	6.89
6300.0	12.00	23.70	16.71	10.30	1.79	0.84	29.62	17.65	7.04
6500.0	11.88	24.08	16.09	10.43	1.86	0.85	29.46	17.45	7.14
6700.0	11.69	24.13	14.62	10.02	1.89	0.85	28.93	17.25	7.21
6900.0	11.48	23.95	13.49	9.56	1.98	0.86	28.88	17.34	7.27
7100.0	11.09	24.53	12.77	8.82	1.99	0.84	28.79	17.32	7.34
7300.0	10.84	24.30	11.58	8.30	2.04	0.84	28.62	17.23	7.47
7500.0	10.32	24.86	10.90	8.58	2.17	0.85	28.63	16.74	7.60
7700.0	9.70	24.82	10.21	7.90	2.38	0.84	28.88	15.90	7.77
7800.0	9.46	25.16	9.57	7.64	2.37	0.85	28.79	15.85	7.94

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, Rb=7.5Ω @ 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)
10.0	20.11	29.88	31.64	13.89	1.43	0.83	30.65	17.91	6.49
100.0	20.34	28.83	61.23	14.20	1.48	0.82	30.94	16.41	5.75
500.0	20.01	28.54	29.85	14.25	1.47	0.83	31.57	17.16	5.79
800.0	19.57	28.14	28.18	13.92	1.47	0.83	32.77	17.42	5.85
1000.0	19.19	27.78	26.04	13.39	1.46	0.83	31.84	17.52	5.82
1200.0	18.81	27.42	23.53	13.01	1.45	0.83	31.61	17.41	5.88
1400.0	18.39	27.03	22.21	12.50	1.44	0.82	31.05	17.05	5.96
1600.0	17.90	26.74	21.16	12.05	1.46	0.82	30.39	16.66	5.96
1800.0	17.41	26.46	19.99	11.71	1.47	0.83	30.26	16.92	5.96
2000.0	16.97	26.16	18.79	11.49	1.48	0.83	30.98	17.53	5.94
2200.0	16.49	25.84	18.34	11.29	1.49	0.83	31.49	18.29	5.97
2400.0	16.12	25.60	17.56	11.01	1.49	0.84	31.59	18.17	5.96
2700.0	15.57	25.19	17.32	10.70	1.49	0.83	30.97	17.71	6.12
2900.0	15.22	24.96	16.61	10.61	1.52	0.84	30.90	17.53	6.10
3100.0	14.90	24.70	16.51	10.69	1.51	0.84	30.79	17.17	6.14
3300.0	14.55	24.62	16.30	10.64	1.51	0.84	30.66	17.10	6.16
3500.0	14.33	24.30	15.90	10.51	1.52	0.85	30.36	17.22	6.16
3700.0	13.99	24.22	16.59	10.57	1.54	0.85	30.89	17.22	6.22
3900.0	13.71	24.15	16.52	11.13	1.57	0.86	30.76	17.04	6.29
4000.0	13.64	24.04	16.44	10.90	1.60	0.86	30.36	16.69	6.26
4100.0	13.44	24.17	16.69	11.29	1.67	0.87	30.62	16.88	6.31
4200.0	13.45	23.83	16.63	11.05	1.60	0.86	30.23	17.39	6.35
4400.0	13.29	23.70	16.29	10.84	1.59	0.86	30.58	17.69	6.35
4600.0	13.05	23.94	16.73	11.48	1.66	0.88	30.23	17.73	6.44
4800.0	12.90	23.57	16.44	11.35	1.64	0.87	30.20	17.74	6.46
5000.0	12.69	23.59	16.82	11.35	1.69	0.87	29.77	17.51	6.53
5200.0	12.58	23.46	16.86	11.17	1.68	0.87	29.25	17.25	6.56
5400.0	12.48	23.43	16.36	11.03	1.69	0.87	29.10	17.50	6.61
5600.0	12.33	23.45	16.83	10.92	1.72	0.86	28.86	17.44	6.65
5800.0	12.21	23.63	16.57	11.27	1.77	0.87	29.00	17.49	6.76
6000.0	12.14	23.69	17.03	11.05	1.81	0.86	29.17	17.48	6.79
6300.0	11.86	23.82	16.39	10.36	1.82	0.85	29.10	17.04	6.89
6500.0	11.74	23.99	15.93	10.48	1.90	0.86	28.68	16.91	6.98
6700.0	11.55	24.11	14.49	9.97	1.92	0.86	28.22	16.72	7.02
6900.0	11.33	24.01	13.38	9.57	2.01	0.86	28.15	16.79	7.15
7100.0	10.95	24.61	12.65	8.91	2.01	0.84	28.14	16.69	7.26
7300.0	10.68	24.95	11.51	8.37	2.07	0.84	28.00	16.70	7.33
7500.0	10.17	24.88	10.86	8.47	2.19	0.85	28.22	16.36	7.54
7700.0	9.56	24.85	10.17	8.00	2.44	0.85	28.24	15.50	7.63
7800.0	9.36	25.28	9.55	7.71	2.41	0.86	28.34	15.40	7.80

Typical Performance Data

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

TEST CONDITIONS: Vd = 5.25V, Rb=7.5Ω @ 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)
10.0	20.77	30.02	23.93	16.76	1.72	0.81	29.09	19.30	6.68
100.0	20.59	29.30	35.57	14.99	1.49	0.83	34.32	19.04	5.99
500.0	20.23	28.92	27.43	15.13	1.50	0.84	36.24	19.55	6.01
800.0	19.80	28.50	27.20	14.48	1.49	0.84	36.97	19.63	6.06
1000.0	19.43	28.13	25.83	13.91	1.48	0.83	35.20	19.68	6.02
1200.0	19.04	27.81	23.61	13.38	1.48	0.83	34.76	19.59	6.13
1400.0	18.63	27.39	22.27	12.73	1.46	0.83	34.32	19.44	6.17
1600.0	18.13	27.09	21.25	12.30	1.48	0.83	33.83	19.19	6.18
1800.0	17.63	26.78	20.27	11.96	1.50	0.83	33.70	19.47	6.17
2000.0	17.19	26.46	19.17	11.65	1.50	0.83	33.78	19.85	6.15
2200.0	16.71	26.12	18.78	11.46	1.51	0.83	34.02	20.15	6.22
2400.0	16.35	25.86	18.00	11.17	1.51	0.83	33.79	19.97	6.17
2700.0	15.79	25.41	17.82	10.87	1.51	0.83	33.59	19.69	6.30
2900.0	15.43	25.16	17.05	10.76	1.53	0.84	33.41	19.75	6.33
3100.0	15.11	24.86	17.02	10.80	1.52	0.84	33.74	19.53	6.36
3300.0	14.78	24.76	16.77	10.75	1.52	0.84	33.03	19.38	6.39
3500.0	14.52	24.42	16.62	10.60	1.52	0.84	32.91	19.35	6.43
3700.0	14.21	24.35	17.01	10.77	1.54	0.85	33.05	19.44	6.41
3900.0	13.93	24.25	17.05	11.22	1.56	0.85	32.93	19.27	6.52
4000.0	13.83	24.13	17.10	10.98	1.59	0.86	32.66	18.93	6.48
4100.0	13.65	24.25	17.65	11.35	1.65	0.86	32.80	19.09	6.51
4200.0	13.68	23.90	17.21	11.10	1.59	0.85	32.67	19.47	6.55
4400.0	13.52	23.75	16.72	10.95	1.57	0.86	32.73	19.54	6.60
4600.0	13.28	23.98	16.97	11.54	1.67	0.87	32.09	19.34	6.63
4800.0	13.14	23.59	16.95	11.39	1.62	0.86	31.59	19.33	6.69
5000.0	12.93	23.61	17.18	11.36	1.66	0.86	31.24	19.13	6.72
5200.0	12.82	23.46	17.34	11.15	1.66	0.86	30.94	19.01	6.81
5400.0	12.72	23.43	16.86	11.09	1.66	0.86	30.74	19.24	6.85
5600.0	12.56	23.42	17.28	10.95	1.68	0.86	30.61	19.19	6.92
5800.0	12.45	23.58	17.06	11.19	1.73	0.86	30.77	19.07	6.99
6000.0	12.39	23.69	17.42	10.97	1.76	0.86	30.60	18.79	7.01
6300.0	12.11	23.67	16.77	10.37	1.77	0.84	30.27	18.17	7.11
6500.0	12.00	24.11	16.20	10.39	1.85	0.85	29.88	17.98	7.23
6700.0	11.82	24.15	14.72	9.84	1.87	0.85	29.59	17.69	7.28
6900.0	11.60	23.95	13.54	9.52	1.94	0.85	29.34	17.75	7.40
7100.0	11.22	24.37	12.85	8.82	1.96	0.83	29.33	17.64	7.46
7300.0	10.96	24.85	11.61	8.26	2.01	0.84	29.14	17.65	7.62
7500.0	10.43	24.95	10.93	8.41	2.14	0.84	29.10	17.22	7.77
7700.0	9.82	24.79	10.27	7.78	2.35	0.83	29.25	16.38	7.89
7800.0	9.56	25.23	9.62	7.36	2.33	0.84	29.44	16.24	8.08

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 = 5.00V, Rb=7.5Ω @ 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)
10.0	20.28	29.95	25.48	15.53	1.56	0.86	28.63	18.63	6.50
100.0	20.46	29.27	43.49	14.37	1.50	0.83	33.03	17.32	5.21
500.0	20.32	28.67	30.14	14.38	1.45	0.82	34.18	18.05	5.20
800.0	19.88	28.26	27.37	14.67	1.45	0.83	34.56	18.30	5.23
1000.0	19.56	27.88	25.04	14.40	1.44	0.83	33.73	18.46	5.22
1200.0	19.11	27.55	22.73	13.88	1.44	0.83	33.32	18.32	5.26
1400.0	18.62	27.25	22.44	13.09	1.45	0.83	32.64	17.90	5.32
1600.0	18.11	26.99	21.91	12.66	1.48	0.83	32.21	17.41	5.37
1800.0	17.68	26.63	20.21	12.36	1.48	0.83	31.82	17.64	5.32
2000.0	17.34	26.20	18.59	12.09	1.45	0.83	32.62	18.30	5.29
2200.0	16.95	25.83	18.12	11.20	1.43	0.82	33.70	18.86	5.33
2400.0	16.62	25.52	17.86	10.78	1.42	0.81	33.25	19.04	5.29
2700.0	16.08	25.06	18.38	10.55	1.42	0.82	32.82	18.65	5.44
2900.0	15.71	24.83	17.30	10.49	1.45	0.82	32.53	18.53	5.44
3100.0	15.40	24.55	17.43	10.11	1.43	0.80	32.75	18.12	5.41
3300.0	15.10	24.43	17.66	9.34	1.40	0.79	32.55	17.93	5.45
3500.0	14.94	24.01	17.43	8.84	1.37	0.77	32.33	18.10	5.46
3700.0	14.69	23.83	17.48	9.69	1.37	0.79	32.47	18.13	5.48
3900.0	14.44	23.66	16.61	10.78	1.41	0.81	32.44	17.96	5.53
4000.0	14.31	23.63	17.19	10.90	1.46	0.83	32.17	17.74	5.56
4100.0	14.15	23.78	16.80	11.22	1.51	0.84	32.67	17.95	5.58
4200.0	14.13	23.42	16.67	10.86	1.45	0.83	32.08	18.42	5.57
4400.0	13.99	23.27	16.08	10.54	1.42	0.83	32.27	18.71	5.58
4600.0	13.78	23.47	16.95	11.30	1.51	0.85	31.61	18.65	5.68
4800.0	13.62	23.09	16.37	11.44	1.47	0.85	31.60	18.84	5.69
5000.0	13.33	23.19	17.53	11.60	1.55	0.85	31.37	18.60	5.72
5200.0	13.18	23.15	18.33	10.58	1.55	0.82	30.83	18.31	5.78
5400.0	13.04	23.07	17.79	9.90	1.53	0.81	30.65	18.46	5.84
5600.0	12.93	23.04	18.52	9.64	1.54	0.80	30.39	18.40	5.87
5800.0	12.94	23.14	18.34	10.53	1.57	0.83	30.53	18.40	5.91
6000.0	12.99	23.19	19.58	10.83	1.59	0.82	30.37	18.41	5.94
6300.0	12.74	22.91	17.35	9.84	1.59	0.80	30.26	18.08	6.07
6500.0	12.58	23.49	15.03	8.38	1.62	0.80	29.68	17.96	6.13
6700.0	12.28	23.69	12.28	8.26	1.63	0.78	29.51	17.74	6.21
6900.0	12.06	23.44	11.32	9.05	1.68	0.80	29.26	17.79	6.24
7100.0	11.76	24.09	12.09	8.24	1.74	0.80	29.27	17.59	6.31
7300.0	11.62	24.27	12.60	6.32	1.72	0.75	29.07	17.76	6.46
7500.0	11.43	24.28	12.80	5.56	1.71	0.69	28.93	17.49	6.56
7700.0	11.10	23.93	11.92	6.28	1.70	0.66	29.20	16.79	6.70
7800.0	10.92	24.15	11.61	7.09	1.82	0.78	29.33	16.73	6.83

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, Rb=7.5Ω @ 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)
10.0	20.48	28.03	28.39	15.77	1.41	0.85	27.05	17.26	6.36
100.0	20.39	29.03	36.78	14.18	1.49	0.82	30.73	15.65	5.11
500.0	20.20	28.44	32.68	14.01	1.43	0.82	31.71	16.55	5.10
800.0	19.76	28.02	27.82	14.39	1.44	0.82	32.34	16.91	5.16
1000.0	19.43	27.66	24.84	14.12	1.42	0.82	31.50	17.10	5.13
1200.0	18.99	27.36	22.69	13.68	1.43	0.83	31.55	16.99	5.16
1400.0	18.50	27.07	22.52	12.91	1.44	0.82	31.08	16.45	5.20
1600.0	17.98	26.80	21.89	12.47	1.47	0.82	29.81	15.92	5.24
1800.0	17.55	26.45	20.15	12.19	1.47	0.83	29.80	16.15	5.22
2000.0	17.23	26.06	18.44	11.96	1.44	0.83	30.74	16.90	5.19
2200.0	16.82	25.69	17.84	11.13	1.42	0.82	31.73	17.79	5.23
2400.0	16.49	25.39	17.58	10.73	1.41	0.82	31.45	17.99	5.22
2700.0	15.95	24.95	18.05	10.50	1.41	0.82	31.43	17.44	5.33
2900.0	15.59	24.73	17.08	10.45	1.45	0.82	31.09	17.20	5.33
3100.0	15.29	24.46	17.23	10.06	1.43	0.81	31.01	16.77	5.33
3300.0	14.98	24.33	17.47	9.26	1.40	0.79	30.85	16.60	5.38
3500.0	14.85	23.92	16.88	8.78	1.37	0.78	30.56	16.77	5.36
3700.0	14.58	23.77	17.25	9.58	1.37	0.79	30.97	16.76	5.36
3900.0	14.32	23.59	16.38	10.74	1.41	0.82	30.76	16.62	5.44
4000.0	14.21	23.58	16.95	10.75	1.46	0.83	30.77	16.42	5.44
4100.0	14.04	23.73	16.57	11.16	1.50	0.84	31.02	16.65	5.44
4200.0	14.02	23.38	16.40	10.78	1.45	0.83	30.54	17.14	5.49
4400.0	13.87	23.24	15.87	10.45	1.43	0.83	30.83	17.57	5.48
4600.0	13.65	23.43	16.61	11.15	1.52	0.85	30.64	17.74	5.56
4800.0	13.50	23.07	16.06	11.39	1.48	0.85	30.57	17.82	5.57
5000.0	13.23	23.18	17.34	11.55	1.56	0.85	29.96	17.61	5.59
5200.0	13.07	23.16	18.17	10.58	1.57	0.83	29.49	17.18	5.65
5400.0	12.91	23.08	17.53	9.84	1.55	0.81	29.37	17.34	5.70
5600.0	12.81	23.05	18.28	9.63	1.55	0.81	29.09	17.29	5.65
5800.0	12.79	23.14	17.89	10.61	1.59	0.83	29.30	17.34	5.84
6000.0	12.84	23.21	19.20	10.87	1.61	0.83	29.34	17.58	5.85
6300.0	12.61	23.05	16.92	9.85	1.60	0.81	29.25	17.41	5.95
6500.0	12.44	23.49	14.89	8.50	1.65	0.80	29.02	17.28	6.01
6700.0	12.15	23.72	12.23	8.38	1.64	0.79	28.41	17.10	6.09
6900.0	11.91	23.60	11.30	9.04	1.72	0.82	28.31	17.13	6.10
7100.0	11.61	24.19	12.02	8.19	1.77	0.81	28.25	16.98	6.12
7300.0	11.48	24.24	12.61	6.33	1.75	0.76	28.20	17.08	6.28
7500.0	11.28	24.27	12.70	5.65	1.69	0.69	28.17	16.95	6.48
7700.0	10.97	24.02	11.86	6.33	1.74	0.67	28.48	16.30	6.57
7800.0	10.79	24.16	11.47	7.22	1.86	0.79	28.57	16.43	6.72

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 = 5.25V, Rb=7.5Ω @ 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)
10.0	20.34	29.54	31.91	17.13	1.67	0.81	29.67	19.42	6.70
100.0	20.53	29.47	47.36	14.58	1.51	0.84	33.97	18.44	5.30
500.0	20.42	28.80	28.79	14.69	1.46	0.83	36.69	19.31	5.28
800.0	19.99	28.41	26.84	14.95	1.46	0.83	37.62	19.43	5.32
1000.0	19.64	28.01	25.01	14.63	1.45	0.83	35.32	19.54	5.28
1200.0	19.22	27.72	22.66	14.07	1.45	0.83	34.68	19.42	5.36
1400.0	18.72	27.41	22.25	13.26	1.46	0.83	34.48	19.11	5.39
1600.0	18.20	27.13	21.70	12.82	1.49	0.83	33.73	18.66	5.42
1800.0	17.77	26.77	20.11	12.48	1.49	0.83	33.62	18.90	5.38
2000.0	17.44	26.35	18.71	12.16	1.46	0.83	34.05	19.51	5.41
2200.0	17.03	25.96	18.29	11.23	1.44	0.82	34.77	19.79	5.39
2400.0	16.71	25.63	18.09	10.86	1.42	0.81	34.40	19.93	5.40
2700.0	16.18	25.15	18.62	10.57	1.42	0.81	34.18	19.61	5.52
2900.0	15.80	24.92	17.48	10.53	1.46	0.82	33.61	19.62	5.52
3100.0	15.50	24.63	17.59	10.17	1.44	0.80	34.16	19.31	5.53
3300.0	15.19	24.50	17.83	9.39	1.41	0.78	33.97	19.11	5.55
3500.0	15.03	24.06	17.71	8.91	1.37	0.77	33.62	19.20	5.55
3700.0	14.79	23.90	17.72	9.74	1.37	0.78	33.78	19.28	5.58
3900.0	14.53	23.73	16.76	10.82	1.41	0.81	33.76	19.14	5.64
4000.0	14.42	23.65	17.41	10.99	1.46	0.83	33.57	18.85	5.64
4100.0	14.25	23.79	16.95	11.25	1.50	0.84	33.57	19.09	5.66
4200.0	14.24	23.45	16.90	10.92	1.44	0.83	33.06	19.47	5.68
4400.0	14.09	23.32	16.25	10.59	1.42	0.83	33.47	19.67	5.70
4600.0	13.87	23.52	17.12	11.37	1.51	0.84	32.49	19.65	5.73
4800.0	13.72	23.12	16.52	11.47	1.46	0.84	32.47	19.64	5.82
5000.0	13.43	23.19	17.92	11.65	1.54	0.84	31.98	19.39	5.82
5200.0	13.28	23.17	18.57	10.68	1.54	0.82	31.70	19.20	5.89
5400.0	13.15	23.09	17.90	9.91	1.52	0.80	31.54	19.39	5.91
5600.0	13.05	23.06	18.74	9.62	1.52	0.80	31.23	19.31	5.95
5800.0	13.07	23.14	18.58	10.53	1.55	0.82	31.29	19.29	6.02
6000.0	13.07	23.21	19.92	10.89	1.58	0.82	31.30	19.18	6.03
6300.0	12.85	23.05	17.50	9.85	1.57	0.80	31.03	18.70	6.13
6500.0	12.71	23.43	15.21	8.33	1.61	0.79	30.51	18.52	6.22
6700.0	12.40	23.69	12.31	8.22	1.60	0.78	30.22	18.29	6.21
6900.0	12.18	23.52	11.28	9.04	1.67	0.80	30.05	18.42	6.36
7100.0	11.91	24.12	12.18	8.24	1.70	0.80	30.02	18.23	6.38
7300.0	11.73	24.20	12.96	6.26	1.69	0.75	29.77	18.25	6.55
7500.0	11.55	24.26	12.96	5.49	1.68	0.68	29.85	17.98	6.66
7700.0	11.23	23.90	12.09	6.19	1.67	0.66	29.82	17.27	6.82
7800.0	11.04	24.10	11.69	7.14	1.80	0.77	30.07	17.18	6.91

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, Rb=7.5Ω @ 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)
10.0	20.60	28.10	23.90	14.66	1.64	0.80	28.72	19.02	7.64
100.0	20.55	29.05	37.83	14.28	1.44	0.82	32.28	18.38	6.42
500.0	19.88	28.79	26.89	14.74	1.53	0.85	33.70	18.58	6.49
800.0	19.49	28.35	28.70	13.58	1.50	0.83	34.77	18.67	6.54
1000.0	19.15	27.94	28.08	12.08	1.47	0.81	33.40	18.78	6.53
1200.0	18.83	27.54	24.80	11.98	1.44	0.82	32.64	18.72	6.58
1400.0	18.53	27.01	21.71	12.03	1.40	0.82	32.58	18.64	6.67
1600.0	17.99	26.72	20.07	12.15	1.44	0.83	31.98	18.45	6.69
1800.0	17.37	26.56	20.14	11.17	1.48	0.82	31.93	18.66	6.68
2000.0	16.80	26.38	19.41	10.42	1.50	0.82	32.07	18.96	6.71
2200.0	16.24	26.17	18.98	10.45	1.55	0.83	32.50	19.07	6.73
2400.0	15.83	25.92	18.02	11.58	1.60	0.86	32.11	19.00	6.77
2700.0	15.29	25.48	16.89	11.92	1.62	0.87	31.63	18.68	6.90
2900.0	14.94	25.22	15.55	10.89	1.62	0.86	31.54	18.68	6.90
3100.0	14.63	24.96	15.35	10.51	1.56	0.86	31.64	18.47	6.97
3300.0	14.22	24.91	15.18	11.50	1.59	0.88	31.58	18.38	7.00
3500.0	13.90	24.69	15.69	12.86	1.66	0.90	31.20	18.27	7.02
3700.0	13.58	24.63	16.39	12.90	1.73	0.90	31.38	18.26	7.03
3900.0	13.32	24.56	16.26	11.66	1.72	0.89	31.26	18.15	7.13
4000.0	13.27	24.40	16.02	10.93	1.71	0.88	31.15	17.81	7.15
4100.0	13.09	24.32	16.41	10.67	1.72	0.87	31.11	17.96	7.17
4200.0	13.09	24.14	16.46	10.77	1.69	0.87	30.84	18.46	7.19
4400.0	12.89	24.02	16.04	11.04	1.70	0.88	30.96	18.48	7.23
4600.0	12.54	24.19	16.64	12.65	1.86	0.91	30.34	18.26	7.32
4800.0	12.46	23.95	17.02	12.36	1.82	0.90	30.14	18.24	7.36
5000.0	12.29	23.91	16.01	11.50	1.81	0.89	29.81	18.01	7.40
5200.0	12.19	23.80	15.90	11.32	1.80	0.89	29.58	17.87	7.49
5400.0	12.07	23.83	15.36	11.27	1.81	0.89	29.39	18.13	7.53
5600.0	11.84	23.85	15.11	12.33	1.90	0.91	29.19	18.03	7.58
5800.0	11.64	24.05	14.28	13.13	1.98	0.93	29.28	17.91	7.73
6000.0	11.54	24.09	13.93	11.57	1.98	0.91	29.02	17.65	7.74
6300.0	11.22	24.36	14.26	10.09	1.98	0.88	28.69	17.03	7.88
6500.0	11.06	24.66	16.73	11.46	2.10	0.90	28.32	16.75	7.96
6700.0	10.83	24.57	17.05	13.81	2.31	0.93	27.85	16.49	8.06
6900.0	10.62	24.63	14.79	12.09	2.51	0.93	27.83	16.52	8.19
7100.0	10.11	25.39	12.73	10.36	2.39	0.90	27.96	16.39	8.28
7300.0	9.49	26.09	10.52	10.25	2.55	0.92	27.67	16.15	8.42
7500.0	8.76	25.81	9.95	12.10	2.74	0.98	27.43	15.73	8.60
7700.0	8.20	25.06	9.97	10.85	3.43	1.00	27.25	14.95	8.66
7800.0	8.00	26.29	9.09	8.64	3.16	0.92	27.30	14.94	8.84

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, Rb=7.5Ω @ 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)
10.0	20.12	30.22	28.41	14.42	1.57	0.87	30.98	17.81	7.58
100.0	20.34	28.73	44.27	13.86	1.44	0.81	31.43	16.82	6.33
500.0	19.73	28.58	27.38	14.28	1.51	0.84	31.75	17.39	6.38
800.0	19.36	28.15	28.78	13.14	1.48	0.83	32.56	17.59	6.42
1000.0	19.00	27.75	28.18	11.82	1.45	0.81	31.59	17.65	6.39
1200.0	18.68	27.31	24.27	11.88	1.43	0.81	31.42	17.57	6.53
1400.0	18.38	26.80	21.28	11.87	1.40	0.81	30.96	17.38	6.54
1600.0	17.85	26.52	19.87	12.05	1.43	0.83	30.33	17.17	6.58
1800.0	17.25	26.40	19.87	11.10	1.46	0.82	30.19	17.35	6.58
2000.0	16.69	26.21	19.12	10.37	1.49	0.82	30.77	17.80	6.59
2200.0	16.11	25.98	18.78	10.36	1.53	0.83	31.04	17.90	6.61
2400.0	15.71	25.78	17.80	11.50	1.59	0.86	31.14	18.09	6.65
2700.0	15.17	25.35	16.67	11.84	1.61	0.87	30.59	17.69	6.77
2900.0	14.82	25.12	15.30	10.80	1.61	0.87	30.47	17.56	6.77
3100.0	14.51	24.87	15.07	10.47	1.55	0.86	30.31	17.28	6.83
3300.0	14.11	24.84	14.98	11.45	1.58	0.88	30.41	17.25	6.89
3500.0	13.81	24.61	15.33	12.80	1.66	0.90	30.07	17.23	6.88
3700.0	13.47	24.57	16.21	12.72	1.74	0.91	30.31	17.16	6.93
3900.0	13.20	24.50	15.96	11.66	1.73	0.89	30.19	17.05	7.01
4000.0	13.15	24.36	15.80	10.80	1.71	0.88	30.09	16.73	7.05
4100.0	12.98	24.22	16.04	10.62	1.71	0.88	30.13	16.92	7.02
4200.0	12.98	24.11	16.07	10.68	1.69	0.88	29.77	17.48	7.07
4400.0	12.77	24.01	15.79	11.00	1.71	0.89	30.00	17.66	7.10
4600.0	12.42	24.12	16.29	12.61	1.86	0.91	29.38	17.49	7.18
4800.0	12.33	23.95	16.70	12.33	1.84	0.90	29.46	17.49	7.24
5000.0	12.16	23.91	15.89	11.43	1.83	0.89	29.16	17.27	7.25
5200.0	12.07	23.82	15.76	11.24	1.82	0.89	28.71	17.08	7.35
5400.0	11.95	23.88	15.24	11.35	1.84	0.90	28.71	17.36	7.41
5600.0	11.73	23.90	14.98	12.37	1.92	0.91	28.42	17.28	7.45
5800.0	11.52	24.07	14.17	13.05	2.01	0.93	28.50	17.24	7.58
6000.0	11.38	24.05	13.83	11.47	2.00	0.91	28.30	17.09	7.59
6300.0	11.10	24.40	14.30	10.09	2.01	0.89	28.30	16.58	7.72
6500.0	10.94	24.67	16.74	11.36	2.14	0.90	27.79	16.33	7.86
6700.0	10.70	24.66	16.80	13.69	2.36	0.93	27.49	16.08	7.95
6900.0	10.46	24.88	14.62	12.23	2.54	0.93	27.34	16.10	8.05
7100.0	9.99	25.45	12.73	10.51	2.43	0.90	27.43	15.94	8.13
7300.0	9.35	26.19	10.58	10.12	2.60	0.92	27.37	15.74	8.31
7500.0	8.66	25.82	9.96	11.94	2.81	0.98	27.10	15.35	8.44
7700.0	8.12	25.21	9.88	10.90	3.48	1.00	26.89	14.62	8.53
7800.0	7.90	26.36	9.15	8.70	3.23	0.92	26.73	14.58	8.72

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 = 5.25V, Rb=7.5Ω @ 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)
10.0	20.11	28.54	23.77	16.10	1.43	0.88	27.71	19.60	7.77
100.0	20.65	29.09	32.52	15.05	1.46	0.82	34.27	19.15	6.56
500.0	19.98	28.96	26.21	15.19	1.54	0.85	35.29	19.56	6.60
800.0	19.61	28.54	27.98	13.65	1.51	0.84	36.47	19.63	6.64
1000.0	19.26	28.12	27.67	12.28	1.48	0.82	34.95	19.73	6.63
1200.0	18.95	27.68	25.03	12.13	1.45	0.82	34.51	19.69	6.67
1400.0	18.65	27.14	21.91	12.12	1.41	0.82	33.60	19.65	6.77
1600.0	18.11	26.90	20.23	12.20	1.45	0.83	33.40	19.55	6.81
1800.0	17.46	26.73	20.33	11.23	1.49	0.82	33.16	19.74	6.80
2000.0	16.90	26.52	19.64	10.49	1.51	0.82	33.10	19.92	6.83
2200.0	16.34	26.29	19.19	10.53	1.56	0.83	33.41	20.02	6.85
2400.0	15.94	26.05	18.14	11.74	1.61	0.86	32.86	19.76	6.88
2700.0	15.38	25.57	17.04	12.04	1.63	0.87	32.75	19.52	7.01
2900.0	15.05	25.30	15.75	10.99	1.62	0.86	32.85	19.61	7.05
3100.0	14.73	25.03	15.55	10.56	1.56	0.86	32.46	19.45	7.06
3300.0	14.33	24.99	15.35	11.58	1.59	0.88	32.67	19.31	7.12
3500.0	14.00	24.73	15.85	12.97	1.66	0.90	32.23	19.14	7.14
3700.0	13.68	24.67	16.61	12.98	1.73	0.90	32.40	19.19	7.17
3900.0	13.43	24.59	16.51	11.70	1.71	0.89	32.06	19.07	7.22
4000.0	13.37	24.43	16.26	10.96	1.70	0.88	32.04	18.73	7.26
4100.0	13.20	24.39	16.75	10.75	1.72	0.87	32.04	18.87	7.30
4200.0	13.20	24.16	16.71	10.82	1.68	0.87	31.64	19.33	7.32
4400.0	13.00	24.03	16.32	11.06	1.69	0.88	31.25	19.22	7.32
4600.0	12.65	24.23	17.00	12.66	1.85	0.90	30.92	18.95	7.40
4800.0	12.56	23.95	17.31	12.35	1.81	0.89	30.69	18.90	7.48
5000.0	12.39	23.90	16.19	11.52	1.80	0.89	30.37	18.66	7.51
5200.0	12.30	23.78	16.04	11.35	1.78	0.89	30.16	18.56	7.60
5400.0	12.18	23.80	15.52	11.24	1.79	0.89	30.07	18.78	7.66
5600.0	11.95	23.82	15.22	12.26	1.87	0.91	29.93	18.65	7.70
5800.0	11.75	24.00	14.30	13.11	1.96	0.93	29.79	18.48	7.85
6000.0	11.66	24.15	14.00	11.56	1.97	0.90	29.38	18.11	7.87
6300.0	11.32	24.30	14.16	10.03	1.96	0.88	29.02	17.47	8.02
6500.0	11.16	24.66	16.76	11.44	2.07	0.89	28.72	17.14	8.12
6700.0	10.96	24.48	17.44	13.81	2.26	0.92	28.33	16.85	8.23
6900.0	10.77	24.46	15.13	12.03	2.48	0.93	28.05	16.84	8.34
7100.0	10.24	25.36	12.70	10.19	2.35	0.90	28.32	16.76	8.44
7300.0	9.62	25.98	10.44	10.22	2.53	0.91	27.96	16.46	8.60
7500.0	8.88	25.80	9.93	12.23	2.71	0.97	27.84	16.05	8.74
7700.0	8.30	24.99	10.05	10.87	3.39	1.00	27.71	15.26	8.84
7800.0	8.10	26.23	9.03	8.56	3.11	0.92	27.58	15.24	8.98