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 = 30mA @ Temperature = +25°C

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)
200	14.83	28.54	2.47	7.48	1.23	1.13	25.97	12.75	2.65
400	17.27	25.37	4.92	10.80	1.13	0.95	25.51	12.56	1.56
600	17.85	24.56	6.49	13.43	1.12	0.88	24.74	12.49	1.37
800	18.00	24.25	7.43	15.42	1.12	0.85	24.52	12.54	1.25
1000	18.01	24.09	8.03	16.92	1.13	0.84	24.17	12.33	1.14
1200	17.95	23.98	8.41	18.00	1.14	0.83	24.28	12.29	1.18
1400	17.84	23.91	8.66	18.76	1.14	0.84	24.52	12.41	1.21
1600	17.72	23.85	8.86	19.30	1.15	0.84	23.84	12.50	1.20
1800	17.58	23.79	8.98	19.63	1.16	0.84	23.92	12.21	1.16
2000	17.43	23.76	9.05	19.81	1.18	0.85	24.76	12.14	1.12
2200	17.26	23.71	9.11	19.84	1.19	0.85	23.49	12.18	1.14
2400	17.10	23.69	9.15	19.75	1.20	0.86	24.42	12.55	1.11
2600	16.94	23.65	9.18	19.61	1.21	0.86	23.53	12.01	1.21
2800	16.78	23.62	9.22	19.32	1.22	0.87	24.49	12.24	1.19
3000	16.62	23.59	9.26	19.02	1.23	0.87	23.99	12.08	1.09
4000	15.88	23.44	9.71	17.87	1.30	0.88	24.11	12.09	1.22
5000	15.16	23.38	10.47	17.60	1.38	0.89	23.96	12.34	1.21
6000	14.40	23.65	10.32	17.41	1.50	0.93	24.34	12.28	1.29
7000	13.62	23.79	9.62	17.62	1.61	0.97	24.50	12.08	1.42
8000	12.88	23.98	9.07	16.65	1.71	1.00	23.91	12.09	1.51
9000	12.24	24.13	9.18	14.46	1.83	1.00	24.84	12.16	1.53
10000	11.69	24.19	9.86	12.98	1.95	0.97	23.64	11.76	1.61
11000	11.12	24.54	10.88	12.10	2.17	0.95	23.46	11.63	1.91
12000	10.86	24.81	9.91	11.10	2.20	0.96	24.33	11.57	1.70
13000	10.36	24.90	9.21	10.59	2.28	0.97	24.24	11.27	1.73
14000	9.85	25.13	8.50	10.51	2.40	0.99	23.79	11.02	1.93
15000	9.34	25.45	7.99	10.27	2.56	1.01	23.82	11.11	2.18
16000	8.74	25.97	7.79	9.00	2.77	0.99	23.18	10.29	2.40
17000	8.19	26.67	8.02	7.25	2.99	0.91	22.05	10.05	2.62
18000	7.72	27.09	7.50	6.18	3.07	0.86	21.99	9.78	2.29
19000	7.22	27.79	7.34	5.62	3.35	0.82	22.89	9.41	2.55
20000	6.56	28.87	6.91	5.24	3.86	0.81	21.25	8.93	3.06

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 = 4.75V, Id = 28mA @ Temperature = +25°C

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)
200	14.72	28.39	2.48	7.63	1.23	1.14	25.22	12.14	2.66
400	17.14	25.24	4.90	10.98	1.13	0.95	24.17	11.94	1.58
600	17.70	24.49	6.44	13.62	1.12	0.89	23.86	11.86	1.35
800	17.85	24.18	7.35	15.60	1.13	0.86	24.08	11.90	1.29
1000	17.85	24.01	7.91	17.09	1.13	0.85	23.62	11.69	1.16
1200	17.79	23.90	8.28	18.16	1.14	0.84	23.40	11.77	1.18
1400	17.69	23.83	8.52	18.91	1.15	0.84	23.64	11.77	1.21
1600	17.56	23.77	8.71	19.43	1.16	0.85	23.11	11.85	1.20
1800	17.42	23.73	8.82	19.74	1.17	0.85	23.17	11.69	1.17
2000	17.27	23.69	8.90	19.90	1.18	0.86	23.85	11.62	1.12
2200	17.11	23.65	8.95	19.90	1.19	0.86	22.75	11.66	1.13
2400	16.94	23.60	8.99	19.79	1.20	0.86	23.65	11.90	1.12
2600	16.78	23.55	9.02	19.63	1.21	0.87	22.57	11.38	1.23
2800	16.62	23.54	9.05	19.32	1.22	0.87	23.59	11.60	1.24
3000	16.46	23.50	9.09	19.02	1.23	0.88	23.09	11.44	1.11
4000	15.73	23.37	9.54	17.91	1.30	0.89	23.59	11.46	1.25
5000	15.02	23.30	10.29	17.74	1.39	0.90	23.19	11.71	1.19
6000	14.27	23.56	10.16	17.62	1.51	0.93	23.72	11.65	1.33
7000	13.48	23.72	9.48	17.83	1.61	0.98	23.71	11.57	1.43
8000	12.74	23.94	8.93	16.75	1.72	1.01	22.91	11.58	1.53
9000	12.10	24.09	9.02	14.50	1.84	1.00	24.45	11.53	1.57
10000	11.55	24.13	9.69	13.01	1.96	0.98	23.13	11.01	1.64
11000	10.98	24.52	10.69	12.11	2.19	0.96	22.80	10.88	1.91
12000	10.72	24.75	9.73	11.11	2.21	0.97	23.87	10.93	1.79
13000	10.22	24.88	9.05	10.60	2.29	0.98	23.07	10.63	1.78
14000	9.71	25.14	8.36	10.52	2.43	1.00	22.92	10.50	1.96
15000	9.20	25.42	7.86	10.27	2.58	1.02	22.81	10.47	2.21
16000	8.60	25.99	7.67	8.99	2.80	0.99	22.30	9.64	2.48
17000	8.05	26.64	7.92	7.24	3.01	0.91	21.11	9.41	2.64
18000	7.59	27.08	7.42	6.18	3.09	0.86	21.08	9.14	2.27
19000	7.09	27.77	7.28	5.62	3.38	0.83	21.91	8.78	2.58
20000	6.43	28.80	6.86	5.23	3.87	0.81	20.40	8.19	3.01

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 = 5.25, Id = 32mA @ Temperature = +25°C

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)
200	14.92	28.63	2.46	7.34	1.23	1.12	27.01	13.33	2.65
400	17.39	25.47	4.93	10.63	1.13	0.94	25.69	13.05	1.57
600	17.98	24.68	6.54	13.26	1.12	0.87	25.33	13.00	1.34
800	18.14	24.33	7.51	15.24	1.12	0.84	25.26	13.05	1.24
1000	18.15	24.17	8.13	16.73	1.13	0.83	25.02	12.84	1.15
1200	18.08	24.05	8.52	17.83	1.13	0.83	24.78	12.79	1.15
1400	17.98	23.97	8.78	18.61	1.14	0.83	25.03	12.91	1.19
1600	17.86	23.91	8.99	19.15	1.15	0.83	24.37	13.00	1.19
1800	17.72	23.89	9.12	19.51	1.16	0.83	24.89	12.71	1.16
2000	17.56	23.84	9.20	19.72	1.17	0.84	25.10	12.64	1.09
2200	17.40	23.79	9.26	19.76	1.18	0.84	24.40	12.68	1.12
2400	17.24	23.75	9.30	19.67	1.20	0.85	25.34	13.05	1.10
2600	17.08	23.73	9.33	19.56	1.21	0.85	24.35	12.51	1.20
2800	16.92	23.72	9.36	19.29	1.22	0.86	25.24	12.62	1.20
3000	16.76	23.68	9.41	18.98	1.23	0.86	24.36	12.58	1.10
4000	16.02	23.54	9.88	17.81	1.30	0.87	25.01	12.59	1.22
5000	15.28	23.45	10.64	17.47	1.38	0.88	24.50	12.83	1.18
6000	14.52	23.70	10.45	17.21	1.50	0.92	25.77	12.77	1.29
7000	13.74	23.84	9.74	17.43	1.60	0.96	25.10	12.56	1.42
8000	13.00	24.04	9.20	16.53	1.71	1.00	24.65	12.58	1.48
9000	12.37	24.16	9.33	14.42	1.82	0.99	26.08	12.65	1.55
10000	11.82	24.22	10.03	12.97	1.94	0.97	24.63	12.13	1.61
11000	11.24	24.56	11.06	12.09	2.15	0.95	24.22	12.00	1.90
12000	10.98	24.80	10.07	11.09	2.18	0.96	25.47	12.06	1.76
13000	10.48	24.94	9.35	10.56	2.27	0.97	24.53	11.88	1.73
14000	9.97	25.14	8.62	10.49	2.38	0.99	24.62	11.63	1.93
15000	9.46	25.46	8.11	10.27	2.54	1.01	24.33	11.61	2.17
16000	8.86	25.99	7.88	9.01	2.75	0.98	23.92	10.79	2.43
17000	8.31	26.65	8.10	7.26	2.96	0.91	22.85	10.55	2.53
18000	7.84	27.11	7.57	6.19	3.05	0.86	22.80	10.28	2.28
19000	7.34	27.81	7.40	5.62	3.33	0.82	23.60	9.91	2.51
20000	6.67	28.89	6.95	5.24	3.83	0.81	22.42	9.42	2.97

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 = 29mA @ Temperature = -45°C

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)
200	15.09	28.86	2.44	7.17	1.23	1.11	26.27	12.78	2.18
400	17.61	25.59	4.92	10.41	1.12	0.92	24.79	12.54	1.25
600	18.21	24.78	6.59	13.02	1.11	0.85	24.39	12.49	1.08
800	18.39	24.47	7.63	15.00	1.12	0.83	24.55	12.54	0.99
1000	18.41	24.26	8.28	16.48	1.12	0.81	24.07	12.34	0.84
1200	18.35	24.15	8.72	17.56	1.13	0.81	24.07	12.31	0.88
1400	18.26	24.07	9.01	18.40	1.13	0.81	24.30	12.32	0.86
1600	18.14	23.99	9.21	18.98	1.14	0.81	23.79	12.40	0.85
1800	18.00	23.96	9.33	19.33	1.15	0.82	23.76	12.22	0.84
2000	17.85	23.93	9.42	19.56	1.16	0.82	24.33	12.03	0.85
2200	17.70	23.88	9.47	19.60	1.17	0.83	23.51	12.08	0.81
2400	17.54	23.85	9.51	19.49	1.18	0.83	23.79	12.46	0.81
2600	17.38	23.82	9.53	19.30	1.20	0.84	23.16	11.92	0.88
2800	17.23	23.78	9.58	19.03	1.21	0.84	23.84	12.15	0.91
3000	17.08	23.73	9.65	18.71	1.22	0.84	23.54	12.00	0.77
4000	16.36	23.59	10.26	17.72	1.28	0.85	23.91	12.04	0.84
5000	15.64	23.50	10.97	17.37	1.36	0.87	23.83	12.29	0.80
6000	14.91	23.71	10.81	16.84	1.46	0.90	24.32	12.22	0.93
7000	14.15	23.84	10.03	17.03	1.55	0.94	24.40	12.06	0.98
8000	13.43	23.99	9.38	16.58	1.65	0.98	23.77	12.07	1.05
9000	12.82	24.11	9.65	14.16	1.75	0.97	24.72	12.00	1.06
10000	12.29	24.13	10.51	12.87	1.86	0.95	23.76	11.54	1.05
11000	11.71	24.42	11.52	12.25	2.04	0.94	23.50	11.53	1.36
12000	11.47	24.68	10.39	11.23	2.07	0.94	24.31	11.44	1.19
13000	11.00	24.82	9.59	10.77	2.15	0.96	23.74	11.18	1.21
14000	10.48	25.04	8.68	10.56	2.25	0.98	23.67	10.95	1.45
15000	9.97	25.34	8.24	10.08	2.39	0.99	23.76	10.99	1.55
16000	9.42	25.77	8.08	9.02	2.56	0.97	22.89	10.21	1.69
17000	8.87	26.47	8.25	7.36	2.77	0.90	22.12	10.02	1.97
18000	8.43	26.91	7.68	6.27	2.84	0.85	22.46	9.78	1.68
19000	7.97	27.52	7.48	5.70	3.05	0.82	22.90	9.37	1.83
20000	7.24	28.69	6.83	5.19	3.49	0.80	21.53	8.82	2.10

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 = 4.75, Id = 27mA @ Temperature = -45°C

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)
200	14.98	28.64	2.44	7.34	1.22	1.12	24.96	12.16	2.14
400	17.47	25.48	4.91	10.61	1.12	0.93	24.49	11.90	1.22
600	18.07	24.67	6.54	13.24	1.11	0.86	23.76	11.83	1.02
800	18.24	24.31	7.55	15.21	1.12	0.83	23.73	11.89	0.93
1000	18.25	24.16	8.18	16.69	1.12	0.82	23.39	11.69	0.90
1200	18.20	24.06	8.58	17.78	1.13	0.82	23.14	11.65	0.86
1400	18.10	23.98	8.86	18.60	1.14	0.82	23.73	11.65	0.90
1600	17.98	23.92	9.06	19.16	1.15	0.82	22.95	11.74	0.90
1800	17.84	23.87	9.17	19.48	1.15	0.82	23.09	11.56	0.85
2000	17.69	23.84	9.25	19.67	1.17	0.83	23.53	11.50	0.83
2200	17.54	23.82	9.31	19.67	1.18	0.84	22.58	11.54	0.80
2400	17.38	23.78	9.34	19.52	1.19	0.84	23.56	11.79	0.83
2600	17.23	23.74	9.36	19.30	1.20	0.84	22.62	11.26	0.86
2800	17.07	23.69	9.41	19.02	1.21	0.85	23.58	11.49	0.84
3000	16.92	23.66	9.47	18.70	1.22	0.85	22.83	11.34	0.76
4000	16.21	23.50	10.07	17.76	1.28	0.86	23.20	11.39	0.87
5000	15.50	23.42	10.77	17.48	1.36	0.87	23.00	11.64	0.80
6000	14.77	23.63	10.64	17.02	1.46	0.91	23.58	11.57	0.96
7000	14.02	23.78	9.88	17.21	1.56	0.95	23.61	11.41	0.96
8000	13.29	23.97	9.24	16.64	1.66	0.99	22.83	11.42	1.07
9000	12.67	24.11	9.47	14.15	1.77	0.98	23.84	11.48	1.06
10000	12.15	24.12	10.31	12.84	1.87	0.95	22.82	10.89	1.09
11000	11.57	24.44	11.29	12.23	2.07	0.94	22.59	10.88	1.38
12000	11.33	24.69	10.20	11.20	2.09	0.95	23.79	10.91	1.20
13000	10.86	24.84	9.42	10.76	2.17	0.96	23.09	10.66	1.28
14000	10.34	25.09	8.53	10.55	2.28	0.99	22.84	10.29	1.38
15000	9.82	25.37	8.10	10.06	2.42	1.00	22.89	10.20	1.68
16000	9.28	25.76	7.96	8.99	2.58	0.97	22.18	9.55	1.76
17000	8.73	26.55	8.16	7.33	2.82	0.90	21.33	9.35	2.07
18000	8.30	26.94	7.61	6.25	2.87	0.85	21.47	9.13	1.66
19000	7.84	27.55	7.43	5.68	3.09	0.82	21.98	8.60	1.86
20000	7.11	28.68	6.80	5.18	3.53	0.80	20.42	8.29	2.34

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 = 31mA @ Temperature = -45°C

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)
200	15.17	28.96	2.42	7.03	1.22	1.10	26.37	13.26	2.18
400	17.72	25.68	4.93	10.23	1.12	0.92	25.08	13.04	1.20
600	18.34	24.86	6.63	12.83	1.11	0.85	25.14	13.00	1.05
800	18.52	24.53	7.70	14.80	1.11	0.82	25.19	13.06	0.93
1000	18.54	24.36	8.38	16.26	1.12	0.81	24.72	12.85	0.88
1200	18.48	24.24	8.83	17.35	1.13	0.80	24.76	12.82	0.89
1400	18.39	24.17	9.13	18.16	1.13	0.80	24.95	12.95	0.91
1600	18.27	24.12	9.34	18.76	1.14	0.81	24.36	13.03	0.88
1800	18.14	24.05	9.47	19.14	1.15	0.81	24.53	12.73	0.88
2000	17.99	23.98	9.56	19.40	1.16	0.81	24.94	12.67	0.82
2200	17.83	23.97	9.62	19.49	1.17	0.82	24.11	12.72	0.87
2400	17.67	23.94	9.65	19.40	1.18	0.83	24.92	13.09	0.79
2600	17.52	23.90	9.67	19.23	1.19	0.83	23.84	12.43	0.85
2800	17.37	23.86	9.73	18.99	1.21	0.83	24.40	12.66	0.84
3000	17.21	23.82	9.80	18.68	1.22	0.84	24.08	12.51	0.79
4000	16.49	23.64	10.42	17.68	1.28	0.85	24.82	12.67	0.86
5000	15.76	23.55	11.12	17.25	1.35	0.86	24.26	12.79	0.78
6000	15.02	23.77	10.95	16.67	1.45	0.89	25.02	12.83	0.87
7000	14.27	23.88	10.14	16.86	1.54	0.94	25.06	12.68	0.99
8000	13.55	24.02	9.51	16.51	1.64	0.97	24.20	12.57	1.06
9000	12.94	24.12	9.80	14.16	1.74	0.96	25.48	12.63	1.04
10000	12.41	24.12	10.69	12.89	1.84	0.94	24.41	12.03	1.07
11000	11.82	24.40	11.71	12.28	2.02	0.93	24.30	12.02	1.34
12000	11.58	24.72	10.56	11.23	2.07	0.94	25.56	12.07	1.19
13000	11.11	24.81	9.74	10.78	2.13	0.95	24.56	11.68	1.20
14000	10.59	25.02	8.80	10.57	2.23	0.98	24.33	11.57	1.39
15000	10.08	25.32	8.35	10.09	2.37	0.99	24.42	11.62	1.51
16000	9.54	25.74	8.18	9.04	2.53	0.97	23.85	10.84	1.84
17000	8.99	26.48	8.34	7.37	2.75	0.90	22.92	10.64	1.83
18000	8.55	26.90	7.74	6.28	2.81	0.85	22.95	10.29	1.59
19000	8.09	27.54	7.53	5.71	3.04	0.82	23.72	9.87	1.75
20000	7.35	28.68	6.85	5.19	3.46	0.80	22.23	9.44	2.10

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 = 30mA @ Temperature = +85°C

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)
200	14.64	28.20	2.50	7.78	1.23	1.15	25.68	12.42	3.06
400	17.02	25.11	4.91	11.14	1.13	0.96	24.63	12.18	1.89
600	17.57	24.36	6.43	13.74	1.12	0.89	24.26	12.08	1.63
800	17.71	24.05	7.32	15.68	1.13	0.86	24.12	12.12	1.57
1000	17.71	23.90	7.87	17.10	1.13	0.85	23.78	11.90	1.43
1200	17.65	23.80	8.23	18.07	1.14	0.85	23.50	11.83	1.45
1400	17.54	23.72	8.46	18.76	1.15	0.85	24.08	11.96	1.48
1600	17.41	23.67	8.64	19.21	1.16	0.85	23.38	12.04	1.46
1800	17.27	23.63	8.76	19.46	1.17	0.85	23.63	11.75	1.43
2000	17.11	23.58	8.84	19.59	1.18	0.86	24.18	11.67	1.36
2200	16.95	23.56	8.90	19.59	1.19	0.86	23.22	11.71	1.40
2400	16.78	23.54	8.93	19.47	1.21	0.87	24.25	12.09	1.39
2600	16.61	23.52	8.94	19.33	1.22	0.88	23.11	11.56	1.47
2800	16.45	23.48	8.98	19.08	1.23	0.88	24.35	11.78	1.54
3000	16.29	23.46	9.00	18.76	1.24	0.88	23.54	11.61	1.41
4000	15.54	23.34	9.39	17.58	1.31	0.90	24.00	11.60	1.51
5000	14.82	23.28	10.18	17.39	1.40	0.90	23.51	11.85	1.50
6000	14.07	23.57	10.04	17.47	1.53	0.94	24.32	11.92	1.62
7000	13.27	23.76	9.37	17.48	1.64	0.98	23.98	11.70	1.77
8000	12.52	24.00	8.88	16.27	1.77	1.01	23.53	11.70	1.85
9000	11.87	24.20	8.94	14.48	1.90	1.01	24.92	11.76	1.98
10000	11.28	24.29	9.47	12.91	2.03	0.99	23.59	11.22	2.00
11000	10.71	24.71	10.37	11.62	2.26	0.96	23.14	11.08	2.31
12000	10.45	24.95	9.63	10.74	2.30	0.96	24.16	11.15	2.16
13000	9.94	25.12	8.96	10.28	2.40	0.98	23.52	10.85	2.25
14000	9.42	25.31	8.36	10.11	2.53	0.99	23.28	10.61	2.40
15000	8.93	25.62	7.96	10.09	2.71	1.01	23.56	10.74	2.67
16000	8.31	26.22	7.66	9.01	2.96	1.00	22.81	10.03	2.99
17000	7.74	26.91	7.76	7.14	3.17	0.92	21.70	9.79	3.20
18000	7.23	27.39	7.36	6.06	3.29	0.86	21.64	9.46	2.92
19000	6.69	28.14	7.27	5.49	3.63	0.82	22.40	8.93	3.13
20000	6.02	29.19	6.91	5.04	4.15	0.80	21.03	8.57	3.58

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 = 29mA @ Temperature = +85°C

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)
200	14.53	28.16	2.50	7.94	1.24	1.16	25.09	11.93	3.06
400	16.89	25.02	4.89	11.31	1.13	0.96	23.99	11.66	1.89
600	17.42	24.26	6.37	13.90	1.12	0.89	23.40	11.57	1.66
800	17.56	23.97	7.22	15.81	1.13	0.87	23.63	11.61	1.57
1000	17.56	23.81	7.76	17.21	1.13	0.86	23.16	11.39	1.47
1200	17.49	23.71	8.09	18.16	1.14	0.85	23.03	11.44	1.47
1400	17.38	23.66	8.32	18.83	1.15	0.86	23.28	11.44	1.46
1600	17.26	23.58	8.50	19.25	1.16	0.86	22.71	11.52	1.46
1800	17.11	23.54	8.61	19.49	1.17	0.86	22.97	11.36	1.46
2000	16.95	23.50	8.69	19.59	1.18	0.87	23.33	11.28	1.40
2200	16.79	23.47	8.74	19.57	1.19	0.87	22.61	11.20	1.43
2400	16.62	23.46	8.77	19.44	1.21	0.88	23.29	11.58	1.39
2600	16.46	23.44	8.79	19.28	1.22	0.88	22.31	11.05	1.50
2800	16.30	23.41	8.82	19.04	1.23	0.89	23.11	11.27	1.55
3000	16.13	23.37	8.84	18.72	1.24	0.89	22.73	11.22	1.42
4000	15.39	23.28	9.22	17.60	1.32	0.90	23.18	11.09	1.50
5000	14.68	23.19	10.00	17.51	1.40	0.91	22.91	11.35	1.51
6000	13.93	23.48	9.90	17.66	1.53	0.95	23.84	11.30	1.66
7000	13.13	23.68	9.24	17.67	1.64	0.99	23.76	11.21	1.76
8000	12.38	23.96	8.74	16.38	1.78	1.02	22.83	11.20	1.87
9000	11.73	24.15	8.79	14.52	1.91	1.02	24.03	11.26	1.94
10000	11.14	24.26	9.31	12.93	2.05	1.00	22.95	10.72	2.03
11000	10.57	24.67	10.20	11.63	2.28	0.96	22.37	10.59	2.35
12000	10.32	24.92	9.45	10.75	2.32	0.97	23.81	10.65	2.20
13000	9.81	25.05	8.82	10.31	2.41	0.98	22.85	10.34	2.25
14000	9.29	25.28	8.24	10.13	2.55	1.00	22.32	10.11	2.47
15000	8.79	25.60	7.84	10.11	2.73	1.02	22.71	10.23	2.56
16000	8.17	26.20	7.55	9.01	2.98	1.00	22.08	9.51	3.07
17000	7.61	26.82	7.67	7.13	3.17	0.92	20.91	9.16	3.22
18000	7.10	27.34	7.28	6.06	3.30	0.86	20.93	8.95	2.91
19000	6.56	28.09	7.21	5.49	3.65	0.82	21.68	8.54	3.15
20000	5.89	29.17	6.87	5.04	4.19	0.80	19.87	7.95	3.73

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 = 32mA @ Temperature = +85°C

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)
200	14.73	28.32	2.49	7.65	1.23	1.14	26.06	12.99	3.05
400	17.14	25.19	4.93	10.99	1.13	0.95	25.29	12.65	1.87
600	17.70	24.42	6.48	13.60	1.12	0.88	24.87	12.56	1.65
800	17.85	24.13	7.40	15.54	1.13	0.85	24.72	12.60	1.55
1000	17.85	23.96	7.98	16.98	1.13	0.84	24.41	12.37	1.41
1200	17.78	23.87	8.34	17.98	1.14	0.84	24.47	12.31	1.47
1400	17.67	23.79	8.59	18.67	1.15	0.84	24.40	12.43	1.45
1600	17.55	23.74	8.78	19.14	1.16	0.84	23.97	12.51	1.45
1800	17.40	23.70	8.89	19.40	1.17	0.84	24.45	12.22	1.44
2000	17.25	23.65	8.98	19.55	1.18	0.85	24.44	12.15	1.37
2200	17.08	23.62	9.04	19.55	1.19	0.86	23.70	12.19	1.40
2400	16.92	23.60	9.07	19.45	1.20	0.86	24.72	12.56	1.36
2600	16.75	23.57	9.09	19.32	1.22	0.87	23.48	11.91	1.43
2800	16.59	23.54	9.12	19.07	1.23	0.87	24.84	12.25	1.49
3000	16.42	23.53	9.14	18.76	1.24	0.88	23.98	12.08	1.40
4000	15.67	23.41	9.53	17.53	1.31	0.89	24.35	12.07	1.47
5000	14.94	23.35	10.33	17.28	1.40	0.90	24.27	12.31	1.50
6000	14.19	23.64	10.17	17.28	1.53	0.94	24.88	12.26	1.65
7000	13.39	23.82	9.48	17.31	1.64	0.98	24.89	12.16	1.73
8000	12.64	24.06	9.00	16.17	1.76	1.01	24.07	12.04	1.87
9000	11.99	24.24	9.07	14.42	1.89	1.00	25.59	12.10	1.92
10000	11.40	24.33	9.61	12.88	2.02	0.98	24.30	11.56	2.03
11000	10.83	24.78	10.53	11.60	2.26	0.96	23.89	11.54	2.33
12000	10.57	24.97	9.76	10.72	2.29	0.96	24.92	11.62	2.23
13000	10.06	25.14	9.09	10.26	2.39	0.97	24.04	11.31	2.21
14000	9.54	25.36	8.48	10.08	2.52	0.99	24.02	11.20	2.41
15000	9.05	25.66	8.07	10.07	2.70	1.01	24.30	11.21	2.72
16000	8.42	26.23	7.76	9.02	2.94	0.99	23.55	10.50	2.99
17000	7.86	26.93	7.84	7.15	3.15	0.91	22.53	10.14	3.12
18000	7.35	27.40	7.43	6.06	3.27	0.86	22.54	9.93	2.89
19000	6.81	28.16	7.33	5.49	3.61	0.82	23.24	9.52	3.10
20000	6.13	29.29	6.96	5.03	4.16	0.79	21.64	9.04	3.60