

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, Idd = 127.88mA @ 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)
4000	7.57	50.79	7.47	4.20	37.02	0.73	22.76	13.65	19.25
4500	11.70	42.94	9.29	6.45	12.62	0.86	27.86	17.20	12.59
5000	12.54	40.20	11.94	9.33	10.09	0.93	28.04	17.92	9.01
5500	13.12	38.39	15.53	11.26	8.30	0.94	27.77	18.51	7.09
6000	13.38	37.23	18.25	11.33	7.15	0.94	27.80	18.73	6.01
6500	13.41	36.59	18.23	10.63	6.50	0.93	27.70	19.35	5.56
7000	13.34	36.33	17.16	10.27	6.27	0.92	27.41	19.18	5.31
7500	13.24	36.14	16.33	10.38	6.20	0.93	27.36	19.95	5.12
8000	13.12	36.05	16.47	10.50	6.24	0.93	27.08	19.45	5.08
8500	12.98	36.03	17.34	10.70	6.39	0.93	26.90	19.37	4.98
9000	12.88	35.91	18.50	11.01	6.45	0.93	26.86	19.48	5.10
9500	12.75	35.98	21.04	11.72	6.74	0.94	26.43	18.46	5.20
10000	12.75	36.02	23.63	12.36	6.86	0.94	26.24	19.07	5.26
10500	12.68	35.83	25.11	12.62	6.81	0.94	26.33	20.11	5.37
11000	12.59	35.62	25.96	12.89	6.74	0.95	25.96	19.25	5.41
11500	12.56	35.47	23.81	13.23	6.68	0.95	25.44	19.40	5.46
12000	12.54	35.14	20.16	14.58	6.50	0.97	25.35	18.80	5.54
12500	12.49	34.60	17.27	17.13	6.19	0.99	25.25	18.29	5.59
13000	12.26	34.87	14.75	19.02	6.50	1.01	24.77	18.19	5.71
13500	12.17	34.40	14.17	15.98	6.13	1.00	24.39	19.21	5.84
14000	12.03	33.88	12.76	12.62	5.63	0.98	24.19	19.04	5.99
14500	11.85	33.04	12.63	10.92	5.09	0.95	23.84	19.83	6.12
15000	11.98	32.43	12.83	10.39	4.63	0.94	23.73	19.41	6.12
15500	12.22	32.41	12.40	10.40	4.46	0.94	23.43	19.45	6.17
16000	12.37	32.41	12.02	10.63	4.39	0.95	23.17	19.93	6.17
16500	12.35	32.17	11.61	10.76	4.26	0.96	23.05	19.74	6.33
17000	12.20	31.86	10.45	9.80	4.03	0.95	22.89	20.61	6.28
17500	11.73	31.71	9.53	8.45	3.90	0.93	22.93	20.11	6.34
18000	11.41	31.63	9.49	8.11	3.89	0.93	22.23	20.39	6.35
18500	11.31	31.39	10.05	8.95	3.95	0.96	21.85	19.90	6.37
19000	11.34	31.14	10.76	11.28	4.12	1.01	21.95	18.47	6.31
19500	11.60	32.82	11.39	15.14	5.19	1.04	23.64	16.92	6.10
20000	11.03	33.57	12.42	11.85	5.96	0.98	25.06	15.23	6.17
20500	9.53	34.69	11.58	9.06	7.40	0.93	24.07	14.26	6.35
21000	6.72	32.55	9.23	8.80	7.45	0.98	20.26	12.56	6.65

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, Idd = 127.36mA @ 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)
4000	7.71	50.88	7.50	4.25	37.11	0.73	22.33	13.37	19.24
4500	11.87	42.85	9.29	6.49	12.28	0.86	30.42	16.74	12.59
5000	12.66	40.16	11.93	9.36	9.92	0.93	30.20	17.28	9.00
5500	13.24	38.36	15.63	11.38	8.19	0.95	29.02	17.91	7.06
6000	13.48	37.22	18.33	11.49	7.08	0.94	28.72	18.11	6.02
6500	13.51	36.59	18.26	10.77	6.45	0.93	28.33	18.75	5.55
7000	13.43	36.34	17.18	10.37	6.23	0.92	27.97	18.57	5.30
7500	13.33	36.15	16.37	10.47	6.15	0.93	27.73	19.42	5.11
8000	13.22	36.05	16.62	10.64	6.19	0.93	27.45	18.91	5.04
8500	13.08	36.02	17.32	10.90	6.34	0.93	27.29	18.76	4.95
9000	12.98	35.91	18.66	11.22	6.41	0.93	27.24	18.82	5.10
9500	12.83	35.98	20.84	11.86	6.68	0.94	26.99	17.85	5.20
10000	12.84	36.02	23.39	12.45	6.80	0.94	26.81	18.46	5.30
10500	12.77	35.81	24.63	12.79	6.73	0.95	26.71	19.51	5.38
11000	12.71	35.57	25.81	13.14	6.64	0.95	26.34	18.63	5.41
11500	12.68	35.43	23.32	13.54	6.57	0.95	25.83	18.78	5.41
12000	12.67	35.09	20.29	14.81	6.39	0.97	25.91	18.09	5.55
12500	12.62	34.54	17.69	17.10	6.07	0.99	25.79	17.59	5.56
13000	12.40	34.80	15.08	18.77	6.36	1.01	25.30	17.53	5.72
13500	12.31	34.33	14.71	16.23	6.01	1.00	24.74	18.62	5.81
14000	12.20	33.79	13.05	13.00	5.51	0.98	24.49	18.49	5.99
14500	12.03	32.97	13.17	11.24	5.01	0.95	24.13	19.33	6.11
15000	12.13	32.40	12.66	10.56	4.55	0.94	24.09	18.90	6.15
15500	12.34	32.40	12.56	10.27	4.40	0.94	23.87	18.87	6.25
16000	12.51	32.39	12.06	10.31	4.28	0.95	23.62	19.46	6.18
16500	12.48	32.16	12.15	10.37	4.19	0.95	23.63	19.12	6.39
17000	12.47	31.72	11.00	9.88	3.89	0.95	23.30	20.22	6.28
17500	12.08	31.48	10.52	8.80	3.78	0.93	23.26	19.70	6.36
18000	11.84	31.32	10.24	8.56	3.72	0.93	22.50	20.04	6.31
18500	11.73	31.12	10.66	9.49	3.78	0.96	22.21	19.45	6.35
19000	11.72	30.90	11.25	11.97	3.93	1.01	22.75	17.93	6.30
19500	11.93	32.64	11.16	16.37	4.92	1.05	25.99	16.40	6.15
20000	11.32	33.49	11.59	12.37	5.69	1.00	28.24	14.65	6.23
20500	9.89	34.74	11.26	9.16	7.15	0.94	22.36	13.63	6.29
21000	6.97	32.66	9.75	8.46	7.36	0.95	19.71	11.97	6.56

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, Idd = 128.47mA @ 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)
4000	7.44	50.68	7.43	4.19	37.01	0.73	22.67	13.83	19.34
4500	11.50	43.04	9.22	6.45	13.02	0.86	26.90	17.56	12.68
5000	12.38	40.25	11.92	9.27	10.31	0.93	27.22	18.33	9.08
5500	13.00	38.39	15.67	11.21	8.43	0.94	27.36	18.96	7.13
6000	13.25	37.23	18.26	11.25	7.23	0.93	27.51	19.17	6.07
6500	13.28	36.59	17.96	10.51	6.57	0.92	27.54	19.78	5.61
7000	13.20	36.33	16.86	10.08	6.33	0.92	27.25	19.65	5.37
7500	13.10	36.14	16.15	10.13	6.25	0.93	27.29	20.47	5.14
8000	12.99	36.04	16.48	10.37	6.31	0.93	27.00	20.04	5.14
8500	12.85	36.02	17.26	10.69	6.46	0.93	26.82	19.87	5.06
9000	12.75	35.89	18.78	10.99	6.53	0.93	26.79	19.86	5.15
9500	12.60	35.99	20.85	11.54	6.84	0.93	26.31	18.97	5.27
10000	12.59	36.05	23.75	12.05	6.97	0.94	26.13	19.56	5.36
10500	12.52	35.85	25.86	12.41	6.93	0.94	26.26	20.61	5.44
11000	12.45	35.64	27.78	12.85	6.87	0.94	25.89	19.78	5.47
11500	12.41	35.49	24.66	13.34	6.82	0.95	25.44	19.90	5.53
12000	12.38	35.16	21.03	14.49	6.64	0.96	25.28	19.16	5.66
12500	12.32	34.64	18.03	16.36	6.34	0.98	25.08	18.70	5.65
13000	12.08	34.91	15.44	17.91	6.67	1.00	24.57	18.68	5.79
13500	11.97	34.43	14.46	16.11	6.31	1.00	24.32	19.77	5.92
14000	11.86	33.88	13.09	13.19	5.80	0.98	24.10	19.66	6.11
14500	11.68	33.07	12.76	11.54	5.27	0.96	23.76	20.33	6.20
15000	11.71	32.54	11.96	10.65	4.81	0.95	23.65	19.98	6.25
15500	11.85	32.60	11.88	10.12	4.69	0.95	23.20	19.85	6.34
16000	11.97	32.64	11.39	9.93	4.58	0.95	22.93	20.38	6.31
16500	11.93	32.44	11.35	10.00	4.50	0.95	22.68	19.95	6.50
17000	11.87	32.02	11.06	9.76	4.28	0.95	22.58	20.94	6.41
17500	11.57	31.71	10.78	9.16	4.16	0.94	22.86	20.62	6.43
18000	11.34	31.54	10.46	9.04	4.12	0.95	22.14	20.95	6.39
18500	11.16	31.42	11.51	9.92	4.30	0.96	21.83	20.55	6.51
19000	11.16	31.18	11.19	12.06	4.33	1.01	21.71	19.14	6.40
19500	11.38	32.89	11.61	16.51	5.43	1.04	22.57	17.63	6.31
20000	10.75	33.60	11.27	13.25	6.16	1.02	23.48	15.95	6.42
20500	9.30	34.64	10.72	9.75	7.59	0.97	25.04	14.88	6.43
21000	6.51	32.42	9.78	8.54	7.56	0.95	21.58	13.12	6.69

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, Idd = 121.81mA @ Temperature = -45°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)
4000	8.94	53.06	7.40	4.23	40.84	0.74	21.52	12.66	18.55
4500	14.21	42.05	9.30	6.13	8.42	0.83	25.87	16.68	11.54
5000	14.36	39.92	11.56	8.92	7.80	0.92	28.81	17.73	7.97
5500	14.73	38.33	14.59	11.05	6.80	0.94	32.01	18.24	6.08
6000	14.94	37.25	18.10	11.51	6.02	0.94	32.86	18.48	5.01
6500	14.95	36.64	19.49	10.83	5.54	0.92	32.55	18.99	4.53
7000	14.89	36.40	18.66	10.48	5.36	0.92	32.89	19.01	4.31
7500	14.78	36.20	16.94	10.51	5.26	0.93	31.88	19.50	4.12
8000	14.65	36.13	16.71	10.40	5.28	0.93	32.89	19.16	4.09
8500	14.53	36.04	17.43	10.47	5.33	0.92	32.99	19.13	4.01
9000	14.45	35.91	17.66	10.89	5.36	0.93	33.21	19.25	4.10
9500	14.32	36.01	19.95	11.79	5.65	0.94	33.84	18.24	4.17
10000	14.40	36.00	21.65	12.34	5.66	0.94	33.67	18.73	4.28
10500	14.32	35.81	20.18	12.42	5.58	0.95	32.50	19.86	4.37
11000	14.27	35.58	18.55	12.55	5.46	0.95	32.87	19.37	4.37
11500	14.27	35.40	17.81	12.63	5.35	0.95	32.29	19.37	4.37
12000	14.29	35.09	14.64	14.62	5.19	0.98	33.31	18.91	4.51
12500	14.38	34.41	13.88	18.30	4.82	1.01	34.36	18.23	4.52
13000	14.25	34.58	13.11	21.29	4.97	1.03	33.60	17.94	4.64
13500	14.24	34.05	13.78	15.86	4.63	1.00	32.74	18.72	4.72
14000	14.21	33.53	13.49	11.80	4.23	0.95	32.63	18.43	4.90
14500	14.13	32.64	15.39	10.21	3.81	0.90	31.19	19.12	4.95
15000	14.36	32.06	16.55	9.97	3.49	0.89	31.62	18.60	4.95
15500	14.80	31.79	15.62	10.25	3.23	0.90	31.31	18.72	5.00
16000	15.19	31.59	13.56	10.54	3.01	0.91	30.52	18.52	5.02
16500	15.23	31.25	12.50	9.61	2.81	0.89	32.17	18.87	5.25
17000	14.89	31.16	9.87	7.18	2.56	0.83	31.04	19.36	5.40
17500	14.33	31.10	8.62	5.57	2.35	0.77	31.68	18.95	5.40
18000	14.03	30.90	8.99	5.47	2.29	0.78	30.41	19.36	5.42
18500	14.24	30.26	10.78	6.66	2.26	0.85	29.84	19.16	5.20
19000	14.66	29.46	11.44	9.38	2.26	0.95	29.29	18.28	5.01
19500	15.26	30.35	10.70	15.15	2.62	1.02	29.17	16.72	4.74
20000	15.07	31.32	14.00	12.12	3.05	0.94	26.76	14.77	4.94
20500	13.45	33.19	12.39	8.01	3.96	0.87	25.52	13.55	5.01
21000	11.04	33.26	8.49	8.46	4.81	0.97	21.28	12.39	5.37

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, Idd = 120.76mA @ Temperature = -45°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)
4000	9.30	53.59	7.44	4.32	42.31	0.74	20.61	12.26	18.55
4500	14.82	41.79	9.31	6.15	7.64	0.83	24.54	15.86	11.57
5000	14.81	39.86	11.52	8.93	7.37	0.92	26.12	16.87	7.97
5500	15.13	38.33	14.54	11.08	6.51	0.94	28.61	17.39	6.08
6000	15.31	37.29	18.06	11.56	5.80	0.94	29.20	17.65	5.03
6500	15.32	36.69	19.65	10.88	5.35	0.92	29.10	18.14	4.53
7000	15.26	36.44	19.01	10.54	5.18	0.92	29.11	18.17	4.32
7500	15.14	36.24	17.25	10.55	5.09	0.93	28.52	18.65	4.13
8000	15.01	36.16	16.92	10.41	5.10	0.93	28.94	18.32	4.08
8500	14.89	36.07	17.54	10.46	5.14	0.92	29.03	18.30	4.00
9000	14.80	35.92	17.61	10.89	5.16	0.93	29.08	18.43	4.11
9500	14.71	36.00	19.54	11.81	5.39	0.94	29.25	17.42	4.17
10000	14.74	36.01	21.07	12.38	5.45	0.94	29.03	17.78	4.27
10500	14.67	35.82	19.59	12.44	5.37	0.95	28.70	18.89	4.36
11000	14.61	35.58	17.80	12.54	5.25	0.95	28.85	18.49	4.39
11500	14.62	35.39	16.94	12.60	5.13	0.95	28.44	18.51	4.43
12000	14.65	35.07	14.02	14.58	4.95	0.99	28.75	18.08	4.53
12500	14.75	34.38	13.37	18.37	4.58	1.01	29.06	17.41	4.52
13000	14.63	34.52	12.82	21.51	4.71	1.03	28.66	17.10	4.65
13500	14.64	33.99	13.55	15.85	4.39	1.00	28.45	17.83	4.75
14000	14.60	33.46	13.55	11.75	4.01	0.95	28.44	17.51	4.90
14500	14.51	32.55	15.67	10.17	3.62	0.90	28.08	18.38	4.94
15000	14.78	32.00	16.98	9.92	3.31	0.88	28.59	17.69	4.98
15500	15.27	31.70	16.12	10.23	3.05	0.89	28.53	17.68	5.03
16000	15.71	31.44	14.14	10.44	2.82	0.90	28.25	17.31	5.07
16500	15.79	31.04	13.29	9.38	2.60	0.87	28.39	17.88	5.29
17000	15.50	30.92	10.54	6.83	2.34	0.79	28.06	18.19	5.40
17500	14.97	30.83	9.22	5.18	2.12	0.71	28.58	17.84	5.44
18000	14.69	30.60	9.69	5.09	2.05	0.72	28.29	18.14	5.42
18500	14.97	29.89	11.68	6.33	2.00	0.82	28.02	17.83	5.21
19000	15.41	29.01	11.91	9.22	1.99	0.93	28.35	17.03	5.03
19500	16.15	29.64	9.99	16.18	2.19	1.02	26.43	15.28	4.78
20000	15.98	30.76	12.99	12.64	2.61	0.94	23.92	13.90	4.93
20500	14.50	32.89	13.18	7.85	3.43	0.84	22.54	12.51	4.99
21000	12.14	33.28	9.10	8.22	4.34	0.94	20.25	11.72	5.35

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, Idd = 123.78mA @ Temperature = -45°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)
4000	8.46	52.51	7.32	4.10	39.76	0.72	22.18	13.10	18.54
4500	13.52	42.35	9.28	6.11	9.40	0.83	28.24	17.30	11.56
5000	13.86	40.01	11.61	8.89	8.34	0.92	32.75	18.45	7.99
5500	14.29	38.34	14.68	10.95	7.15	0.94	37.48	18.95	6.12
6000	14.52	37.23	18.10	11.37	6.28	0.93	35.51	19.21	5.02
6500	14.55	36.60	19.17	10.70	5.75	0.92	36.55	19.71	4.55
7000	14.49	36.32	18.18	10.37	5.54	0.92	36.12	19.76	4.34
7500	14.37	36.11	16.56	10.37	5.43	0.93	40.07	20.19	4.16
8000	14.24	36.05	16.49	10.22	5.45	0.92	36.31	19.85	4.10
8500	14.12	36.00	17.30	10.29	5.53	0.92	35.93	19.86	4.00
9000	14.03	35.86	17.79	10.72	5.58	0.93	35.34	19.98	4.12
9500	13.93	35.95	20.35	11.64	5.85	0.94	33.57	19.04	4.19
10000	13.98	35.99	22.44	12.19	5.92	0.94	33.49	19.59	4.27
10500	13.90	35.82	21.20	12.24	5.86	0.94	35.79	20.62	4.35
11000	13.84	35.62	19.81	12.34	5.76	0.94	34.93	20.07	4.42
11500	13.83	35.46	19.17	12.45	5.68	0.94	34.75	20.06	4.42
12000	13.85	35.11	15.65	14.47	5.50	0.98	33.49	19.70	4.52
12500	13.92	34.44	14.55	18.51	5.12	1.01	32.30	19.08	4.53
13000	13.76	34.65	13.41	21.06	5.30	1.03	31.79	18.78	4.68
13500	13.72	34.14	13.83	15.44	4.96	1.00	31.54	19.49	4.74
14000	13.65	33.65	13.12	11.55	4.53	0.95	30.85	19.26	4.88
14500	13.52	32.75	14.64	10.06	4.09	0.91	30.12	20.00	4.94
15000	13.77	32.18	15.70	9.92	3.74	0.90	29.45	19.53	4.93
15500	14.20	31.91	14.75	10.48	3.49	0.91	28.41	19.66	4.98
16000	14.51	31.78	12.79	10.97	3.31	0.93	27.68	19.63	5.05
16500	14.48	31.52	11.55	9.90	3.12	0.92	27.70	19.86	5.22
17000	14.02	31.56	9.10	7.30	2.89	0.86	27.74	20.24	5.36
17500	13.40	31.54	8.00	5.70	2.66	0.80	27.96	19.80	5.39
18000	13.07	31.38	8.34	5.61	2.62	0.81	27.00	20.18	5.37
18500	13.28	30.76	10.05	6.72	2.62	0.87	26.46	19.98	5.19
19000	13.70	30.01	11.00	9.16	2.62	0.95	25.96	19.27	4.99
19500	14.22	30.99	11.39	13.92	3.15	1.01	26.01	17.62	4.73
20000	13.91	32.10	14.67	11.59	3.75	0.94	27.61	15.80	4.87
20500	12.29	33.71	11.74	8.25	4.74	0.89	27.14	14.41	5.00
21000	9.89	33.06	8.01	9.23	5.36	1.02	22.29	13.34	5.40

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, Idd = 127.39mA @ 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)
4000	6.83	50.05	7.49	4.37	37.97	0.74	22.26	13.54	20.00
4500	10.58	43.10	9.26	6.72	14.82	0.87	30.09	16.86	13.59
5000	11.66	40.18	12.22	9.63	11.26	0.94	30.25	17.31	9.97
5500	12.36	38.27	16.36	11.76	9.05	0.95	29.56	18.12	8.04
6000	12.63	37.08	18.33	11.86	7.71	0.95	29.59	18.21	7.00
6500	12.63	36.48	17.01	10.98	7.03	0.94	29.32	18.84	6.51
7000	12.51	36.23	15.94	10.34	6.78	0.93	28.94	18.79	6.28
7500	12.39	36.05	16.20	10.15	6.72	0.93	28.81	19.73	6.04
8000	12.29	35.94	16.88	10.57	6.81	0.93	28.35	19.53	6.01
8500	12.19	35.86	17.66	11.37	6.96	0.94	28.09	18.93	5.97
9000	12.10	35.70	19.64	11.86	7.01	0.94	27.95	18.51	6.05
9500	11.90	35.90	21.37	11.84	7.37	0.94	27.37	18.37	6.17
10000	11.81	36.01	23.02	11.82	7.56	0.94	27.17	18.86	6.32
10500	11.74	35.83	27.26	12.41	7.56	0.94	27.13	19.39	6.37
11000	11.70	35.62	30.27	13.75	7.55	0.95	26.53	18.94	6.43
11500	11.68	35.31	26.66	15.71	7.41	0.97	26.04	18.62	6.48
12000	11.58	35.07	20.99	16.90	7.31	0.98	26.13	17.81	6.65
12500	11.42	34.74	19.06	15.71	7.09	0.98	25.87	17.86	6.66
13000	11.14	34.99	18.09	14.61	7.45	0.97	25.24	18.17	6.77
13500	11.08	34.43	16.76	14.00	6.98	0.97	24.96	18.68	6.89
14000	11.04	33.78	15.63	13.78	6.46	0.97	24.77	19.28	7.03
14500	11.00	32.89	15.02	14.50	5.87	0.98	24.38	19.24	7.15
15000	10.98	32.51	12.34	13.85	5.46	1.00	24.26	19.51	7.32
15500	10.86	32.62	10.67	11.27	5.28	0.99	24.21	19.08	7.47
16000	10.63	33.10	9.49	8.97	5.27	0.95	23.74	19.07	7.55
16500	10.25	33.22	9.47	7.44	5.21	0.90	23.61	18.77	7.70
17000	9.95	33.11	9.24	6.66	5.00	0.87	23.59	19.05	7.67
17500	9.84	32.66	10.31	6.93	4.96	0.88	23.43	19.81	7.58
18000	10.13	32.06	12.01	8.30	4.94	0.91	22.86	19.96	7.47
18500	10.33	31.53	14.04	10.75	5.03	0.95	22.69	19.69	7.39
19000	10.48	31.31	15.30	15.44	5.21	1.00	23.19	18.57	7.38
19500	10.20	33.24	13.40	21.74	6.76	1.03	24.95	16.68	7.45
20000	9.46	34.09	9.71	16.99	7.51	1.08	26.58	15.57	7.81
20500	7.71	35.47	7.85	15.70	9.95	1.13	23.34	13.88	8.00
21000	4.68	31.97	7.55	12.21	8.91	1.11	25.76	12.34	8.33

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, Idd = 127.14mA @ 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)
4000	6.99	50.08	7.51	4.42	37.73	0.75	21.93	13.25	19.96
4500	10.75	42.92	9.28	6.76	14.30	0.87	34.89	16.38	13.56
5000	11.79	40.06	12.23	9.72	10.98	0.94	33.97	16.71	9.99
5500	12.48	38.19	16.40	11.98	8.88	0.95	30.87	17.53	8.00
6000	12.74	37.02	18.42	12.17	7.61	0.95	30.57	17.64	6.95
6500	12.73	36.43	17.12	11.28	6.96	0.94	29.84	18.26	6.48
7000	12.62	36.18	16.03	10.63	6.71	0.94	29.34	18.20	6.25
7500	12.49	36.00	16.29	10.43	6.65	0.93	28.98	19.18	6.03
8000	12.39	35.89	16.96	10.87	6.73	0.94	28.54	18.96	5.97
8500	12.30	35.80	17.73	11.71	6.87	0.95	28.35	18.34	5.92
9000	12.22	35.63	19.71	12.23	6.91	0.95	28.22	17.91	6.03
9500	12.01	35.84	21.38	12.19	7.26	0.94	27.72	17.79	6.15
10000	11.94	35.93	22.82	12.17	7.42	0.94	27.47	18.26	6.23
10500	11.87	35.73	26.45	12.77	7.41	0.95	27.33	18.78	6.33
11000	11.83	35.50	29.21	14.18	7.37	0.96	26.76	18.32	6.38
11500	11.81	35.20	26.37	16.26	7.24	0.97	26.26	18.00	6.45
12000	11.72	34.95	21.09	17.45	7.11	0.98	26.53	17.20	6.62
12500	11.57	34.61	19.29	16.02	6.89	0.98	26.20	17.25	6.61
13000	11.31	34.85	18.35	14.79	7.22	0.97	25.52	17.57	6.71
13500	11.25	34.29	17.00	14.18	6.75	0.97	25.16	18.10	6.84
14000	11.22	33.65	15.93	13.98	6.25	0.97	24.91	18.73	7.01
14500	11.20	32.77	15.34	14.72	5.68	0.98	24.58	18.69	7.09
15000	11.20	32.38	12.60	13.98	5.28	1.00	24.47	19.00	7.24
15500	11.09	32.48	10.87	11.29	5.09	0.98	24.56	18.57	7.41
16000	10.88	32.93	9.63	8.97	5.05	0.95	24.04	18.59	7.50
16500	10.51	33.05	9.60	7.44	4.99	0.90	23.92	18.27	7.62
17000	10.23	32.93	9.34	6.69	4.78	0.87	23.82	18.62	7.60
17500	10.12	32.48	10.41	7.02	4.75	0.88	23.53	19.40	7.53
18000	10.41	31.88	12.08	8.49	4.72	0.92	22.95	19.50	7.40
18500	10.61	31.35	14.07	11.10	4.82	0.96	22.88	19.14	7.35
19000	10.74	31.17	15.30	16.02	5.00	1.00	23.95	17.93	7.30
19500	10.43	33.16	13.45	20.85	6.53	1.03	27.51	16.03	7.39
20000	9.66	34.13	9.70	16.10	7.34	1.07	27.87	14.89	7.71
20500	7.88	35.57	7.81	15.19	9.83	1.13	21.62	13.19	7.99
21000	4.86	32.08	7.51	12.20	8.82	1.11	22.96	11.71	8.32

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, Idd = 127.61mA @ 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)
4000	6.67	49.97	7.46	4.33	38.12	0.74	22.27	13.74	20.08
4500	10.39	43.26	9.24	6.69	15.40	0.87	28.85	17.25	13.63
5000	11.51	40.29	12.21	9.55	11.58	0.94	29.17	17.82	10.02
5500	12.23	38.34	16.34	11.54	9.23	0.95	29.13	18.62	8.08
6000	12.50	37.13	18.20	11.56	7.83	0.94	29.30	18.72	7.02
6500	12.50	36.52	16.84	10.68	7.12	0.93	29.21	19.35	6.58
7000	12.38	36.26	15.78	10.06	6.86	0.93	28.85	19.30	6.31
7500	12.25	36.08	16.07	9.87	6.80	0.92	28.87	20.18	6.10
8000	12.15	35.97	16.77	10.28	6.89	0.93	28.37	20.01	6.06
8500	12.05	35.90	17.56	11.05	7.06	0.94	28.11	19.45	6.03
9000	11.96	35.73	19.57	11.52	7.11	0.94	27.94	19.03	6.10
9500	11.75	35.97	21.30	11.49	7.51	0.93	27.32	18.89	6.23
10000	11.66	36.07	23.10	11.47	7.69	0.93	27.11	19.37	6.34
10500	11.58	35.91	28.11	12.02	7.73	0.93	27.14	19.90	6.45
11000	11.53	35.70	31.60	13.31	7.73	0.95	26.51	19.47	6.52
11500	11.51	35.40	27.05	15.18	7.61	0.97	26.02	19.15	6.58
12000	11.39	35.16	20.82	16.38	7.52	0.98	26.01	18.36	6.68
12500	11.22	34.84	18.82	15.34	7.32	0.98	25.81	18.42	6.72
13000	10.94	35.11	17.86	14.33	7.72	0.97	25.20	18.70	6.84
13500	10.86	34.56	16.56	13.68	7.23	0.97	24.96	19.20	6.94
14000	10.80	33.91	15.39	13.46	6.69	0.97	24.79	19.76	7.11
14500	10.76	33.00	14.78	14.21	6.09	0.98	24.36	19.70	7.22
15000	10.73	32.63	12.13	13.73	5.67	1.00	24.24	19.93	7.38
15500	10.59	32.73	10.50	11.27	5.50	0.99	24.07	19.53	7.55
16000	10.34	33.25	9.36	8.97	5.51	0.96	23.62	19.49	7.62
16500	9.94	33.38	9.35	7.40	5.46	0.90	23.50	19.22	7.77
17000	9.63	33.29	9.13	6.56	5.25	0.87	23.55	19.42	7.72
17500	9.50	32.85	10.21	6.77	5.21	0.87	23.44	20.15	7.66
18000	9.79	32.24	11.95	8.02	5.17	0.90	22.87	20.33	7.56
18500	10.02	31.69	14.07	10.32	5.26	0.95	22.69	20.17	7.50
19000	10.20	31.47	15.39	14.74	5.44	0.99	22.91	19.13	7.42
19500	9.96	33.32	13.44	21.92	7.02	1.03	23.84	17.27	7.48
20000	9.23	34.06	9.70	17.66	7.70	1.08	24.70	16.16	7.85
20500	7.49	35.34	7.83	16.20	10.08	1.14	24.69	14.43	8.09
21000	4.45	31.90	7.51	12.49	9.09	1.12	23.66	12.92	8.41