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 = 46.90mA @ 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)
50	16.50	21.05	13.80	13.66	1.09	0.62	19.33	17.07	5.26
100	17.51	19.98	18.53	18.36	1.04	0.41	26.62	15.63	4.12
200	17.67	19.85	27.67	24.23	1.03	0.39	29.95	15.96	3.59
400	17.51	20.07	43.68	24.53	1.04	0.44	30.74	16.42	3.60
600	17.44	20.16	56.02	23.55	1.05	0.46	30.39	16.52	3.62
800	17.40	20.19	64.71	22.62	1.05	0.47	30.81	16.53	3.70
1000	17.38	20.21	47.72	21.71	1.05	0.47	29.48	16.35	3.66
1200	17.35	20.22	40.89	20.82	1.05	0.47	30.27	16.37	3.75
1400	17.33	20.23	36.17	19.98	1.05	0.47	30.09	16.30	3.78
1600	17.32	20.23	33.07	19.39	1.05	0.47	30.12	16.33	3.77
1800	17.30	20.23	30.38	18.68	1.05	0.47	30.42	16.37	3.82
2000	17.29	20.23	28.30	18.05	1.05	0.47	29.84	16.24	3.82
2200	17.27	20.21	26.97	17.61	1.05	0.47	29.14	15.78	3.84
2400	17.26	20.20	25.56	17.02	1.05	0.47	29.33	15.86	3.81
2600	17.25	20.18	24.68	16.75	1.05	0.46	29.20	15.82	3.92
2800	17.24	20.16	23.61	16.40	1.04	0.46	28.79	15.82	3.93
3000	17.22	20.13	22.85	16.05	1.04	0.46	28.24	15.49	3.81
3200	17.21	20.09	22.36	15.93	1.04	0.46	27.88	15.63	3.90
3400	17.20	20.06	21.85	15.59	1.04	0.45	27.75	15.44	3.89
3600	17.19	20.01	21.86	15.57	1.04	0.45	27.33	15.21	3.88
3800	17.18	19.96	21.61	15.44	1.03	0.44	27.11	15.26	3.92
4000	17.17	19.91	21.78	15.25	1.03	0.44	26.63	15.11	3.98
4500	17.12	19.76	22.98	15.08	1.02	0.43	25.88	14.58	3.95
5000	17.07	19.59	26.15	14.54	1.01	0.41	24.88	14.00	4.00
5500	16.95	19.42	27.51	13.85	1.00	0.41	24.92	13.84	4.04
6000	16.74	19.31	23.38	12.50	1.00	0.41	24.18	13.43	4.07
6500	16.45	19.25	18.92	11.16	0.99	0.41	23.99	12.86	4.17
7000	16.07	19.24	15.47	9.95	0.98	0.43	23.77	12.21	4.17
7500	15.60	19.29	13.06	8.99	0.98	0.46	23.17	11.43	4.24
8000	15.07	19.38	11.44	8.33	0.98	0.52	23.03	10.73	4.30
8500	14.48	19.50	10.31	7.85	0.98	0.58	22.02	10.05	4.39
9000	13.84	19.65	9.25	7.68	0.98	0.66	21.06	9.18	4.57
9500	13.19	19.81	8.80	7.76	0.99	0.74	20.64	8.66	4.74
10000	12.56	19.99	8.45	7.80	1.01	0.81	19.34	8.15	4.92
10500	11.88	20.20	7.85	7.76	1.01	0.89	18.99	7.60	5.04
11000	11.13	20.42	7.38	7.69	1.03	0.95	18.49	7.12	5.14
11500	10.32	20.71	6.98	7.30	1.06	0.99	18.06	6.69	5.36
12000	9.46	21.03	6.47	6.85	1.09	1.01	16.48	6.20	5.49
12500	8.59	21.31	6.13	6.26	1.13	1.01	16.22	5.77	5.53
13000	7.56	21.71	5.60	5.74	1.18	1.00	15.38	5.50	5.75

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 = 42.29mA @ 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)
50	16.42	20.98	13.94	13.51	1.09	0.62	24.33	15.89	5.21
100	17.41	19.91	18.48	18.15	1.04	0.41	27.46	13.91	4.07
200	17.57	19.79	26.64	23.45	1.03	0.39	28.37	14.75	3.57
400	17.42	20.01	37.25	23.51	1.04	0.44	29.21	15.42	3.61
600	17.35	20.09	42.33	22.63	1.05	0.46	29.00	15.56	3.56
800	17.31	20.13	42.91	21.79	1.05	0.47	29.22	15.59	3.64
1000	17.28	20.15	39.72	20.96	1.05	0.47	28.07	15.39	3.66
1200	17.26	20.16	36.44	20.14	1.05	0.48	28.84	15.38	3.68
1400	17.24	20.17	33.31	19.35	1.05	0.48	28.57	15.31	3.74
1600	17.22	20.17	30.90	18.79	1.05	0.48	28.80	15.36	3.73
1800	17.20	20.17	28.78	18.12	1.05	0.48	29.14	15.42	3.77
2000	17.19	20.16	27.05	17.52	1.05	0.47	28.68	15.30	3.78
2200	17.17	20.15	25.87	17.10	1.05	0.47	27.76	14.80	3.80
2400	17.15	20.13	24.64	16.54	1.05	0.47	28.15	14.89	3.77
2600	17.14	20.11	23.88	16.27	1.05	0.47	28.11	14.87	3.88
2800	17.13	20.09	22.89	15.93	1.04	0.46	27.90	14.90	3.89
3000	17.11	20.06	22.21	15.59	1.04	0.46	27.34	14.60	3.79
3200	17.10	20.02	21.75	15.48	1.04	0.46	27.07	14.78	3.85
3400	17.09	19.98	21.30	15.14	1.04	0.45	27.02	14.60	3.85
3600	17.08	19.93	21.31	15.12	1.03	0.45	26.61	14.41	3.85
3800	17.06	19.88	21.09	14.99	1.03	0.45	26.50	14.52	3.85
4000	17.05	19.82	21.26	14.80	1.03	0.44	26.06	14.40	3.94
4500	17.00	19.66	22.41	14.66	1.02	0.43	25.45	13.95	3.91
5000	16.93	19.49	25.30	14.12	1.01	0.42	24.48	13.43	3.96
5500	16.81	19.31	26.63	13.47	1.00	0.41	24.60	13.32	3.99
6000	16.59	19.19	23.14	12.19	0.99	0.41	23.90	12.97	4.00
6500	16.29	19.13	18.86	10.91	0.99	0.42	23.72	12.45	4.13
7000	15.91	19.11	15.45	9.73	0.98	0.43	23.48	11.87	4.13
7500	15.42	19.17	13.04	8.80	0.98	0.47	22.81	11.13	4.16
8000	14.88	19.26	11.43	8.16	0.97	0.52	22.67	10.40	4.24
8500	14.29	19.38	10.30	7.68	0.97	0.58	21.58	9.75	4.31
9000	13.65	19.53	9.25	7.51	0.97	0.66	20.60	8.87	4.49
9500	12.99	19.70	8.79	7.59	0.99	0.74	20.19	8.34	4.68
10000	12.36	19.87	8.44	7.62	1.01	0.81	18.85	7.86	4.83
10500	11.68	20.08	7.85	7.59	1.01	0.88	18.44	7.27	4.96
11000	10.94	20.31	7.38	7.54	1.03	0.95	17.95	6.79	5.08
11500	10.14	20.59	6.98	7.17	1.06	0.98	17.47	6.37	5.21
12000	9.29	20.90	6.48	6.76	1.09	1.01	15.91	5.88	5.37
12500	8.43	21.19	6.14	6.20	1.13	1.00	15.65	5.41	5.40
13000	7.41	21.59	5.61	5.70	1.18	1.00	14.90	5.17	5.62

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 = 51.82mA @ 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)
50	16.54	21.00	15.22	15.25	1.09	0.63	22.38	17.96	5.11
100	17.48	20.15	19.29	18.84	1.04	0.44	24.55	17.36	4.14
200	17.72	19.93	28.89	24.74	1.03	0.39	29.38	17.26	3.61
400	17.58	20.12	58.48	25.42	1.04	0.44	32.16	17.34	3.67
600	17.51	20.21	44.51	24.37	1.05	0.46	31.84	17.38	3.70
800	17.48	20.24	44.57	23.36	1.05	0.47	32.27	17.38	3.74
1000	17.45	20.26	47.12	22.38	1.05	0.47	30.68	17.23	3.73
1200	17.43	20.27	44.76	21.43	1.05	0.47	31.51	17.24	3.78
1400	17.41	20.28	39.11	20.54	1.05	0.47	31.34	17.17	3.82
1600	17.40	20.29	35.30	19.92	1.05	0.47	31.37	17.19	3.82
1800	17.38	20.29	31.96	19.18	1.05	0.47	31.69	17.21	3.87
2000	17.37	20.28	29.49	18.52	1.05	0.47	30.82	17.09	3.85
2200	17.36	20.27	28.02	18.06	1.05	0.47	30.10	16.69	3.87
2400	17.34	20.26	26.42	17.46	1.05	0.47	30.19	16.73	3.87
2600	17.34	20.24	25.48	17.17	1.05	0.46	29.98	16.67	3.96
2800	17.33	20.22	24.32	16.82	1.04	0.46	29.55	16.62	3.99
3000	17.32	20.19	23.48	16.45	1.04	0.46	28.90	16.29	3.86
3200	17.31	20.16	22.97	16.33	1.04	0.45	28.52	16.39	3.94
3400	17.30	20.12	22.40	15.98	1.04	0.45	28.31	16.17	3.94
3600	17.29	20.08	22.40	15.96	1.04	0.45	27.88	15.93	3.93
3800	17.28	20.03	22.14	15.82	1.03	0.44	27.56	15.93	3.96
4000	17.27	19.98	22.30	15.63	1.03	0.44	27.08	15.70	4.01
4500	17.24	19.84	23.58	15.49	1.02	0.43	26.24	15.11	3.99
5000	17.19	19.68	27.04	14.90	1.01	0.41	25.22	14.51	4.08
5500	17.08	19.52	28.27	14.17	1.01	0.40	25.22	14.27	4.11
6000	16.88	19.41	23.46	12.76	1.00	0.40	24.40	13.84	4.12
6500	16.60	19.36	18.90	11.36	0.99	0.41	24.23	13.23	4.23
7000	16.24	19.34	15.45	10.12	0.99	0.42	24.03	12.56	4.23
7500	15.78	19.40	13.04	9.13	0.98	0.46	23.47	11.76	4.28
8000	15.25	19.49	11.43	8.46	0.98	0.51	23.33	11.07	4.36
8500	14.68	19.60	10.30	7.97	0.98	0.57	22.41	10.41	4.47
9000	14.05	19.75	9.25	7.79	0.98	0.65	21.49	9.50	4.66
9500	13.40	19.92	8.80	7.89	0.99	0.74	21.11	9.01	4.85
10000	12.77	20.09	8.46	7.91	1.01	0.81	19.90	8.51	5.00
10500	12.09	20.30	7.86	7.90	1.01	0.89	19.60	7.96	5.16
11000	11.34	20.53	7.40	7.81	1.03	0.95	19.13	7.43	5.31
11500	10.53	20.81	6.98	7.41	1.06	0.99	18.68	7.05	5.47
12000	9.66	21.13	6.48	6.93	1.09	1.02	17.07	6.50	5.65
12500	8.78	21.43	6.13	6.31	1.12	1.01	16.83	6.11	5.70
13000	7.73	21.83	5.59	5.78	1.18	1.01	15.98	5.84	5.93

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 = 43.20mA @ 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)
50	16.62	21.17	13.52	13.51	1.09	0.62	27.66	16.26	4.47
100	17.66	20.06	18.41	18.12	1.03	0.40	28.50	14.10	3.38
200	17.84	19.92	27.64	24.04	1.03	0.38	29.23	14.96	2.89
400	17.69	20.14	47.97	25.09	1.04	0.43	30.08	15.62	2.93
600	17.63	20.22	44.81	23.99	1.04	0.45	29.92	15.79	2.95
800	17.60	20.25	45.67	22.99	1.04	0.45	30.31	15.82	2.97
1000	17.58	20.26	47.04	22.17	1.04	0.46	29.14	15.58	2.96
1200	17.56	20.27	61.39	21.23	1.04	0.46	29.84	15.60	3.03
1400	17.55	20.27	48.68	20.40	1.04	0.46	29.71	15.55	3.04
1600	17.54	20.27	40.67	19.67	1.04	0.45	29.96	15.65	3.08
1800	17.53	20.26	35.75	18.89	1.04	0.45	30.22	15.76	3.07
2000	17.52	20.25	33.61	18.29	1.04	0.45	29.82	15.63	3.10
2200	17.51	20.23	32.07	17.88	1.04	0.45	28.90	15.04	3.09
2400	17.50	20.20	30.49	17.24	1.04	0.44	29.51	15.24	3.08
2600	17.50	20.18	29.61	16.90	1.04	0.44	29.34	15.28	3.17
2800	17.49	20.15	27.70	16.46	1.03	0.43	29.17	15.33	3.20
3000	17.49	20.12	26.97	16.07	1.03	0.43	28.57	15.06	3.06
3200	17.49	20.08	26.37	15.86	1.03	0.42	28.38	15.25	3.12
3400	17.48	20.04	25.99	15.37	1.03	0.41	28.31	15.12	3.14
3600	17.48	19.99	26.34	15.23	1.02	0.41	27.97	14.92	3.10
3800	17.47	19.94	25.53	14.97	1.02	0.40	27.85	15.09	3.14
4000	17.47	19.89	25.86	14.66	1.02	0.39	27.33	15.06	3.17
4500	17.46	19.73	27.07	14.13	1.01	0.37	26.74	14.67	3.16
5000	17.44	19.57	30.39	13.42	1.00	0.35	25.65	14.02	3.20
5500	17.38	19.40	28.15	12.62	0.98	0.33	25.72	14.12	3.24
6000	17.23	19.28	22.45	11.17	0.97	0.31	24.87	13.95	3.26
6500	17.02	19.23	18.14	9.81	0.96	0.30	24.60	13.52	3.37
7000	16.73	19.21	14.80	8.66	0.95	0.30	24.63	13.10	3.39
7500	16.35	19.27	12.46	7.67	0.94	0.32	24.12	12.36	3.41
8000	15.92	19.35	11.14	7.05	0.93	0.35	23.92	11.59	3.48
8500	15.45	19.44	10.05	6.61	0.92	0.40	22.87	10.89	3.54
9000	14.93	19.59	9.09	6.42	0.91	0.48	22.19	9.95	3.73
9500	14.44	19.69	8.89	6.58	0.91	0.57	21.69	9.42	3.87
10000	13.93	19.83	8.54	6.70	0.91	0.65	20.37	8.89	4.05
10500	13.45	19.96	8.17	6.89	0.90	0.74	20.06	8.31	4.13
11000	12.90	20.10	7.80	7.02	0.89	0.83	19.66	7.82	4.24
11500	12.22	20.32	7.42	6.85	0.89	0.89	19.22	7.41	4.37
12000	11.52	20.58	6.82	6.73	0.88	0.96	17.65	6.89	4.52
12500	10.74	20.83	6.50	6.10	0.87	0.96	17.99	6.45	4.49
13000	9.72	21.25	5.78	5.68	0.88	0.99	16.21	6.11	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 = 4.75V, Id = 38.51mA @ 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)
50	16.53	21.08	13.71	13.41	1.09	0.61	28.71	13.77	4.40
100	17.56	19.99	18.38	17.94	1.03	0.40	26.55	12.49	3.35
200	17.74	19.86	26.52	23.27	1.03	0.38	27.41	13.63	2.92
400	17.60	20.07	39.21	23.97	1.04	0.43	28.08	14.35	2.88
600	17.53	20.15	43.22	22.98	1.04	0.45	27.97	14.52	2.92
800	17.50	20.18	45.85	22.10	1.04	0.45	28.28	14.55	3.00
1000	17.48	20.19	48.22	21.36	1.04	0.46	27.25	14.37	2.92
1200	17.46	20.20	42.85	20.50	1.04	0.46	27.91	14.36	3.01
1400	17.45	20.20	39.53	19.73	1.04	0.46	27.91	14.33	3.02
1600	17.44	20.19	35.71	19.04	1.04	0.46	28.21	14.44	3.01
1800	17.42	20.19	32.80	18.30	1.04	0.45	28.51	14.52	3.05
2000	17.41	20.17	31.29	17.74	1.04	0.45	28.11	14.44	3.06
2200	17.41	20.15	29.99	17.35	1.04	0.45	27.20	13.81	3.08
2400	17.40	20.13	28.80	16.73	1.04	0.44	27.73	14.01	3.04
2600	17.39	20.10	28.10	16.41	1.04	0.44	27.81	14.08	3.15
2800	17.38	20.07	26.46	15.98	1.03	0.43	27.70	14.14	3.18
3000	17.37	20.03	25.87	15.61	1.03	0.43	27.18	13.91	3.04
3200	17.37	19.99	25.33	15.40	1.03	0.42	27.02	14.12	3.10
3400	17.36	19.95	25.03	14.92	1.02	0.42	27.10	14.03	3.08
3600	17.36	19.90	25.32	14.79	1.02	0.41	26.83	13.85	3.07
3800	17.35	19.85	24.62	14.54	1.02	0.40	26.77	14.06	3.11
4000	17.35	19.79	24.95	14.25	1.01	0.40	26.37	14.11	3.16
4500	17.33	19.63	26.04	13.73	1.00	0.38	25.91	13.85	3.13
5000	17.30	19.46	28.88	13.05	0.99	0.35	24.89	13.20	3.16
5500	17.24	19.28	27.41	12.28	0.98	0.33	25.11	13.45	3.22
6000	17.08	19.15	22.38	10.89	0.97	0.31	24.36	13.34	3.22
6500	16.87	19.09	18.12	9.58	0.96	0.30	24.19	13.00	3.32
7000	16.57	19.08	14.78	8.47	0.95	0.30	24.13	12.65	3.32
7500	16.17	19.14	12.45	7.52	0.94	0.32	23.58	11.97	3.37
8000	15.73	19.22	11.13	6.90	0.92	0.36	23.38	11.20	3.41
8500	15.25	19.31	10.03	6.47	0.91	0.40	22.31	10.54	3.50
9000	14.73	19.46	9.08	6.28	0.90	0.48	21.59	9.61	3.66
9500	14.22	19.57	8.87	6.43	0.91	0.57	21.13	9.07	3.82
10000	13.74	19.71	8.52	6.54	0.91	0.64	19.79	8.56	3.98
10500	13.24	19.83	8.16	6.72	0.89	0.74	19.47	7.97	4.05
11000	12.69	19.97	7.79	6.86	0.89	0.82	19.06	7.49	4.18
11500	12.02	20.19	7.42	6.70	0.88	0.88	18.57	7.08	4.27
12000	11.33	20.44	6.84	6.63	0.88	0.95	17.03	6.51	4.43
12500	10.57	20.69	6.53	6.02	0.87	0.96	17.27	6.05	4.44
13000	9.57	21.10	5.80	5.64	0.88	0.99	15.61	5.74	4.60

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 = 47.64mA @ 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)
50	16.68	21.23	13.40	13.59	1.09	0.62	19.42	17.53	4.52
100	17.73	20.11	18.42	18.23	1.03	0.40	29.16	15.74	3.44
200	17.91	19.97	28.47	24.58	1.03	0.37	30.81	16.09	2.98
400	17.76	20.19	52.03	25.97	1.04	0.43	31.58	16.66	2.94
600	17.70	20.27	40.25	24.78	1.04	0.44	31.43	16.78	2.96
800	17.67	20.30	40.01	23.70	1.04	0.45	31.59	16.81	3.02
1000	17.65	20.31	40.33	22.80	1.04	0.45	30.57	16.59	3.00
1200	17.63	20.32	44.79	21.80	1.04	0.45	31.29	16.61	3.05
1400	17.62	20.32	48.94	20.93	1.04	0.45	31.12	16.55	3.08
1600	17.61	20.32	46.26	20.17	1.04	0.45	31.25	16.64	3.06
1800	17.60	20.31	38.46	19.35	1.04	0.45	31.67	16.72	3.13
2000	17.59	20.30	35.60	18.73	1.04	0.45	31.16	16.61	3.13
2200	17.59	20.28	33.86	18.31	1.04	0.44	30.27	16.05	3.10
2400	17.58	20.26	31.86	17.65	1.04	0.44	30.61	16.21	3.10
2600	17.58	20.23	30.87	17.30	1.04	0.44	30.66	16.23	3.21
2800	17.58	20.21	28.77	16.84	1.03	0.43	30.14	16.23	3.21
3000	17.57	20.17	27.88	16.45	1.03	0.43	29.66	15.95	3.09
3200	17.57	20.14	27.22	16.23	1.03	0.42	29.30	16.10	3.15
3400	17.57	20.10	26.77	15.72	1.03	0.41	29.17	15.97	3.16
3600	17.57	20.06	27.14	15.59	1.02	0.41	28.76	15.77	3.14
3800	17.57	20.01	26.25	15.33	1.02	0.40	28.58	15.86	3.16
4000	17.57	19.96	26.59	15.02	1.02	0.39	28.01	15.78	3.20
4500	17.56	19.81	27.89	14.47	1.01	0.37	27.32	15.27	3.20
5000	17.54	19.65	31.62	13.73	1.00	0.35	26.12	14.61	3.28
5500	17.49	19.49	28.60	12.90	0.99	0.33	26.07	14.65	3.27
6000	17.35	19.37	22.47	11.40	0.98	0.31	25.23	14.43	3.31
6500	17.15	19.32	18.10	9.98	0.97	0.29	24.96	13.95	3.44
7000	16.88	19.31	14.77	8.82	0.96	0.29	24.91	13.48	3.44
7500	16.50	19.37	12.45	7.81	0.94	0.31	24.47	12.69	3.48
8000	16.08	19.44	11.13	7.17	0.93	0.35	24.37	11.89	3.51
8500	15.62	19.54	10.04	6.73	0.92	0.40	23.29	11.20	3.60
9000	15.11	19.68	9.09	6.53	0.91	0.48	22.61	10.23	3.79
9500	14.62	19.79	8.89	6.70	0.91	0.57	22.12	9.72	3.94
10000	14.14	19.93	8.54	6.84	0.91	0.65	20.81	9.18	4.13
10500	13.64	20.05	8.18	7.03	0.90	0.75	20.57	8.61	4.19
11000	13.08	20.20	7.80	7.17	0.89	0.83	20.16	8.15	4.33
11500	12.39	20.42	7.42	6.97	0.89	0.89	19.75	7.75	4.44
12000	11.68	20.68	6.81	6.84	0.88	0.96	18.27	7.22	4.60
12500	10.89	20.94	6.49	6.16	0.87	0.97	18.65	6.80	4.59
13000	9.85	21.35	5.75	5.72	0.88	1.00	16.79	6.44	4.77

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 = 50.52mA @ 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)
50	16.39	20.84	16.42	15.45	1.10	0.63	23.95	17.44	5.49
100	17.23	20.07	19.91	18.88	1.05	0.46	26.06	16.99	4.71
200	17.48	19.84	28.17	24.10	1.04	0.41	29.42	16.86	4.22
400	17.35	20.02	40.82	23.96	1.05	0.45	31.74	16.90	4.25
600	17.28	20.10	46.46	22.97	1.05	0.47	31.26	16.93	4.29
800	17.24	20.14	45.27	22.23	1.05	0.48	31.32	16.90	4.32
1000	17.20	20.16	38.52	21.26	1.05	0.49	29.78	16.78	4.35
1200	17.18	20.18	34.66	20.42	1.06	0.49	30.67	16.78	4.41
1400	17.16	20.19	31.23	19.51	1.06	0.49	30.37	16.70	4.44
1600	17.13	20.20	28.82	18.86	1.06	0.49	30.46	16.69	4.42
1800	17.11	20.20	26.45	18.22	1.06	0.49	30.61	16.67	4.51
2000	17.09	20.20	24.68	17.57	1.06	0.49	29.81	16.53	4.52
2200	17.07	20.19	23.31	17.10	1.06	0.49	29.06	16.23	4.51
2400	17.05	20.18	21.92	16.55	1.06	0.48	29.26	16.20	4.50
2600	17.03	20.17	21.42	16.36	1.05	0.48	28.79	16.10	4.60
2800	17.01	20.15	20.56	16.02	1.05	0.48	28.32	16.00	4.64
3000	16.99	20.12	19.97	15.83	1.05	0.48	27.82	15.69	4.54
3200	16.97	20.08	19.72	15.99	1.05	0.48	27.51	15.70	4.60
3400	16.95	20.05	19.03	15.83	1.05	0.48	27.23	15.45	4.60
3600	16.93	20.00	19.14	15.80	1.05	0.48	26.85	15.17	4.60
3800	16.91	19.95	19.16	16.05	1.04	0.48	26.59	15.08	4.60
4000	16.87	19.90	19.10	15.86	1.04	0.48	26.14	14.82	4.68
4500	16.79	19.74	20.39	16.45	1.04	0.48	25.47	14.17	4.66
5000	16.67	19.57	23.08	16.64	1.03	0.48	24.62	13.50	4.74
5500	16.46	19.43	25.51	15.90	1.03	0.48	24.58	13.07	4.79
6000	16.15	19.32	22.93	14.48	1.03	0.50	23.78	12.44	4.81
6500	15.75	19.27	18.49	13.16	1.03	0.53	23.29	11.83	4.92
7000	15.23	19.30	14.80	11.50	1.04	0.56	22.63	11.07	4.97
7500	14.69	19.33	13.02	10.65	1.04	0.61	21.67	10.34	5.01
8000	14.05	19.41	11.07	10.01	1.05	0.67	21.47	9.73	5.09
8500	13.31	19.58	9.92	9.32	1.06	0.74	20.42	9.11	5.19
9000	12.61	19.72	9.16	9.12	1.08	0.80	19.42	8.26	5.39
9500	11.83	19.93	8.40	8.92	1.10	0.88	19.11	7.81	5.61
10000	11.08	20.13	8.09	8.80	1.14	0.93	17.96	7.32	5.81
10500	10.29	20.37	7.57	8.43	1.17	0.98	17.54	6.77	5.97
11000	9.40	20.68	7.15	7.89	1.22	1.01	17.07	6.29	6.14
11500	8.44	21.02	6.63	7.49	1.30	1.03	16.64	5.90	6.33
12000	7.50	21.36	6.30	6.74	1.37	1.02	15.29	5.38	6.46
12500	6.55	21.72	6.02	6.20	1.48	1.01	14.89	4.98	6.54
13000	5.54	22.08	5.67	5.69	1.60	0.99	14.62	4.81	6.82

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 = 45.40mA @ 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)
50	16.32	20.88	14.26	13.69	1.10	0.62	19.66	16.54	5.84
100	17.28	19.86	18.58	18.31	1.04	0.43	25.29	15.31	4.69
200	17.42	19.73	26.51	23.48	1.03	0.41	28.97	15.62	4.24
400	17.26	19.94	35.34	22.99	1.05	0.45	29.84	15.98	4.23
600	17.19	20.03	38.20	22.07	1.05	0.47	29.56	16.06	4.23
800	17.14	20.07	38.32	21.39	1.05	0.48	29.75	16.04	4.30
1000	17.11	20.10	34.72	20.49	1.05	0.49	28.45	15.90	4.28
1200	17.08	20.11	32.08	19.71	1.06	0.49	29.31	15.89	4.38
1400	17.06	20.13	29.45	18.86	1.06	0.49	29.02	15.83	4.39
1600	17.03	20.13	27.42	18.24	1.06	0.49	29.14	15.82	4.39
1800	17.01	20.13	25.37	17.63	1.06	0.49	29.37	15.82	4.44
2000	16.99	20.13	23.81	17.02	1.06	0.49	28.87	15.66	4.44
2200	16.96	20.13	22.54	16.57	1.06	0.49	27.92	15.34	4.47
2400	16.94	20.12	21.32	16.05	1.06	0.49	28.28	15.33	4.46
2600	16.92	20.10	20.84	15.86	1.05	0.49	28.05	15.26	4.57
2800	16.90	20.08	20.05	15.54	1.05	0.48	27.62	15.19	4.60
3000	16.87	20.05	19.50	15.35	1.05	0.48	27.08	14.90	4.47
3200	16.85	20.01	19.26	15.50	1.05	0.48	26.87	14.94	4.54
3400	16.83	19.97	18.61	15.34	1.05	0.48	26.65	14.74	4.55
3600	16.81	19.93	18.74	15.30	1.05	0.48	26.32	14.45	4.53
3800	16.79	19.87	18.77	15.52	1.04	0.48	26.14	14.46	4.56
4000	16.74	19.82	18.71	15.33	1.04	0.48	25.70	14.24	4.60
4500	16.66	19.65	19.96	15.86	1.04	0.48	25.14	13.67	4.61
5000	16.53	19.47	22.48	16.01	1.03	0.48	24.29	13.06	4.67
5500	16.31	19.32	24.74	15.34	1.03	0.49	24.35	12.67	4.71
6000	16.00	19.21	22.59	14.03	1.03	0.50	23.57	12.07	4.74
6500	15.59	19.15	18.39	12.80	1.03	0.53	23.08	11.49	4.87
7000	15.06	19.18	14.77	11.22	1.03	0.56	22.37	10.76	4.88
7500	14.51	19.21	13.00	10.39	1.04	0.61	21.38	10.04	4.95
8000	13.87	19.29	11.07	9.77	1.05	0.67	21.16	9.44	4.99
8500	13.12	19.47	9.91	9.09	1.06	0.73	20.08	8.79	5.09
9000	12.42	19.60	9.15	8.89	1.07	0.80	19.00	7.95	5.31
9500	11.64	19.81	8.40	8.69	1.10	0.87	18.69	7.47	5.50
10000	10.89	20.02	8.08	8.58	1.14	0.93	17.50	7.02	5.70
10500	10.10	20.26	7.56	8.24	1.17	0.97	17.05	6.45	5.83
11000	9.22	20.56	7.15	7.73	1.22	1.00	16.59	5.99	6.00
11500	8.27	20.90	6.62	7.37	1.29	1.03	16.18	5.56	6.18
12000	7.34	21.24	6.30	6.65	1.36	1.02	14.82	5.08	6.30
12500	6.40	21.59	6.02	6.14	1.47	1.00	14.43	4.67	6.45
13000	5.40	21.95	5.67	5.64	1.59	0.98	14.16	4.45	6.63

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 = 58.21mA @ 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)
50	17.02	20.47	25.83	20.39	1.07	0.55	21.42	17.89	4.59
100	17.22	20.25	27.99	22.08	1.06	0.50	24.05	18.09	4.47
200	17.42	20.08	35.59	24.79	1.05	0.46	32.87	17.97	4.29
400	17.40	20.14	46.17	24.78	1.05	0.46	34.06	17.90	4.31
600	17.36	20.20	44.27	23.95	1.05	0.48	33.35	17.84	4.34
800	17.33	20.23	44.05	23.19	1.05	0.48	32.74	17.81	4.41
1000	17.30	20.24	43.82	22.15	1.05	0.49	31.28	17.71	4.38
1200	17.28	20.26	38.72	21.25	1.05	0.49	31.94	17.73	4.45
1400	17.26	20.26	33.90	20.27	1.06	0.49	31.34	17.66	4.51
1600	17.24	20.27	30.90	19.57	1.06	0.49	31.11	17.62	4.51
1800	17.22	20.27	28.04	18.89	1.06	0.49	30.93	17.59	4.55
2000	17.20	20.27	25.95	18.20	1.06	0.49	30.10	17.46	4.56
2200	17.18	20.26	24.35	17.71	1.06	0.49	29.52	17.30	4.60
2400	17.16	20.25	22.81	17.14	1.06	0.48	29.18	17.21	4.60
2600	17.14	20.23	22.24	16.94	1.05	0.48	28.86	17.08	4.70
2800	17.12	20.22	21.32	16.59	1.05	0.48	28.24	16.90	4.71
3000	17.10	20.19	20.67	16.39	1.05	0.48	27.76	16.63	4.59
3200	17.08	20.15	20.42	16.56	1.05	0.48	27.38	16.55	4.66
3400	17.06	20.12	19.67	16.40	1.05	0.48	27.14	16.25	4.66
3600	17.04	20.07	19.78	16.37	1.05	0.48	26.78	15.93	4.67
3800	17.02	20.02	19.81	16.63	1.05	0.48	26.43	15.79	4.70
4000	16.98	19.98	19.71	16.44	1.04	0.47	26.03	15.45	4.74
4500	16.90	19.83	21.15	17.08	1.04	0.47	25.34	14.73	4.74
5000	16.78	19.66	24.19	17.27	1.04	0.47	24.55	13.97	4.83
5500	16.58	19.53	26.80	16.43	1.03	0.48	24.32	13.47	4.88
6000	16.29	19.43	23.29	14.87	1.03	0.50	23.60	12.78	4.90
6500	15.90	19.38	18.56	13.45	1.04	0.52	23.06	12.15	5.04
7000	15.40	19.41	14.81	11.70	1.04	0.56	22.39	11.37	5.08
7500	14.87	19.44	13.04	10.83	1.04	0.60	21.50	10.65	5.12
8000	14.25	19.52	11.09	10.17	1.05	0.66	21.24	10.03	5.24
8500	13.53	19.69	9.95	9.47	1.06	0.73	20.34	9.39	5.34
9000	12.84	19.82	9.19	9.29	1.08	0.80	19.38	8.52	5.59
9500	12.07	20.03	8.45	9.11	1.10	0.87	19.10	8.07	5.79
10000	11.34	20.23	8.15	9.01	1.14	0.93	18.08	7.58	6.00
10500	10.55	20.47	7.64	8.65	1.17	0.98	17.64	7.01	6.19
11000	9.67	20.78	7.23	8.11	1.22	1.01	17.23	6.55	6.35
11500	8.70	21.12	6.69	7.69	1.30	1.04	16.83	6.17	6.59
12000	7.76	21.48	6.37	6.90	1.37	1.03	15.55	5.65	6.72
12500	6.80	21.84	6.08	6.33	1.48	1.01	15.16	5.27	6.85
13000	5.78	22.23	5.72	5.78	1.60	0.99	14.94	5.07	7.13