

## 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 = 2.70V, Id = 7.97mA @ 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)
10	14.51	20.00	8.64	7.65	1.08	0.50	30.75	15.13	1.74
20	15.26	19.32	12.44	12.85	1.08	0.55	27.96	15.68	1.31
30	15.39	19.18	13.59	15.85	1.07	0.56	26.81	16.01	1.27
40	15.45	19.12	14.14	17.82	1.07	0.56	26.60	16.71	1.24
50	15.46	19.11	14.64	19.13	1.07	0.56	25.89	17.01	1.22
60	15.47	19.09	14.85	20.01	1.07	0.57	26.79	16.80	1.17
70	15.47	19.08	14.89	20.58	1.07	0.57	27.29	16.72	1.19
80	15.46	19.07	14.95	20.97	1.07	0.57	28.00	16.77	1.15
90	15.46	19.06	15.08	21.19	1.07	0.57	27.74	16.95	1.15
100	15.46	19.05	15.11	21.34	1.07	0.57	27.91	16.57	1.16
150	15.42	19.06	15.09	21.39	1.07	0.57	31.46	16.75	1.18
200	15.37	19.03	15.09	20.62	1.07	0.58	28.28	16.73	1.14
250	15.31	19.05	15.09	20.11	1.07	0.59	36.03	16.98	1.18
300	15.24	19.02	15.07	19.23	1.07	0.59	28.04	16.94	1.15
350	15.15	19.03	14.97	18.64	1.07	0.60	33.82	16.85	1.20
400	15.05	19.00	14.80	17.95	1.07	0.61	28.48	16.98	1.22
450	14.95	18.98	14.63	17.23	1.06	0.62	27.57	17.21	1.22
500	14.83	18.97	14.36	16.65	1.06	0.64	33.07	17.39	1.22
550	14.70	18.98	14.04	16.17	1.06	0.65	30.16	17.13	1.25
600	14.56	18.97	13.72	15.70	1.06	0.67	28.52	17.17	1.29
650	14.41	18.96	13.31	15.20	1.06	0.69	29.00	17.32	1.30
700	14.23	18.98	12.85	14.75	1.06	0.71	29.57	17.19	1.31
750	14.09	18.96	12.47	14.52	1.06	0.72	29.69	17.57	1.29
800	13.92	18.97	12.02	14.21	1.06	0.74	30.49	17.47	1.36
850	13.74	18.97	11.57	13.86	1.06	0.76	29.93	17.28	1.36
900	13.54	18.99	11.10	13.49	1.05	0.78	28.79	17.37	1.39
950	13.34	19.01	10.64	13.16	1.05	0.81	28.75	17.76	1.40
1000	13.12	19.06	10.20	12.80	1.06	0.83	33.08	17.87	1.40
1100	12.50	19.34	9.11	12.10	1.08	0.90	27.48	17.63	1.48
1200	12.25	19.22	8.32	12.77	1.07	0.94	26.96	17.81	1.56
1300	11.86	19.25	7.76	11.77	1.07	0.96	27.01	17.86	1.65
1400	11.40	19.35	7.13	10.98	1.07	0.99	26.64	17.76	1.69
1500	10.93	19.48	6.54	10.25	1.07	1.01	24.66	18.36	1.75
1600	10.44	19.62	6.02	9.51	1.08	1.03	23.52	18.36	1.80
1700	9.95	19.79	5.56	8.83	1.09	1.04	22.65	17.89	1.93
1800	9.46	19.94	5.14	8.16	1.10	1.04	22.24	17.66	2.05
1900	8.97	20.13	4.76	7.51	1.11	1.03	21.17	17.36	2.15
2000	8.47	20.35	4.42	6.91	1.12	1.02	20.74	17.19	2.21

## 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 = 2.50V, Id = 6.69mA @ 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)
10	13.81	19.70	8.06	7.17	1.09	0.51	25.08	14.59	1.83
20	14.59	18.95	11.17	11.88	1.08	0.56	24.80	15.14	1.38
30	14.74	18.81	12.11	14.29	1.08	0.57	24.43	15.44	1.34
40	14.79	18.74	12.53	15.66	1.08	0.58	23.87	16.15	1.27
50	14.81	18.73	12.87	16.45	1.08	0.58	23.33	16.48	1.29
60	14.82	18.71	13.02	16.91	1.08	0.58	23.98	16.27	1.24
70	14.82	18.69	13.07	17.17	1.08	0.58	25.14	16.19	1.28
80	14.82	18.69	13.09	17.34	1.08	0.58	26.18	16.24	1.23
90	14.82	18.67	13.17	17.41	1.08	0.58	26.97	16.44	1.21
100	14.81	18.66	13.19	17.45	1.08	0.58	29.32	16.05	1.22
150	14.77	18.67	13.22	17.50	1.08	0.59	28.57	16.23	1.23
200	14.72	18.64	13.25	17.07	1.08	0.59	29.06	16.22	1.22
250	14.67	18.65	13.28	16.87	1.07	0.60	27.18	16.47	1.26
300	14.60	18.62	13.31	16.33	1.07	0.60	26.77	16.43	1.29
350	14.51	18.62	13.27	15.99	1.07	0.62	27.50	16.34	1.27
400	14.42	18.60	13.18	15.52	1.07	0.62	26.45	16.48	1.28
450	14.31	18.57	13.11	15.02	1.06	0.63	25.99	16.73	1.30
500	14.20	18.56	12.95	14.60	1.06	0.65	27.53	16.90	1.24
550	14.06	18.57	12.75	14.24	1.06	0.66	28.64	16.64	1.29
600	13.93	18.55	12.54	13.87	1.06	0.68	27.77	16.66	1.33
650	13.77	18.55	12.22	13.47	1.05	0.69	27.82	16.86	1.33
700	13.60	18.56	11.88	13.12	1.05	0.71	27.68	16.71	1.38
750	13.46	18.54	11.59	12.93	1.05	0.73	27.01	17.10	1.39
800	13.28	18.55	11.21	12.67	1.05	0.75	26.83	16.98	1.44
850	13.10	18.55	10.84	12.36	1.05	0.77	26.30	16.76	1.42
900	12.90	18.57	10.45	12.06	1.04	0.79	25.92	16.86	1.44
950	12.70	18.60	10.02	11.78	1.04	0.81	25.43	17.24	1.47
1000	12.48	18.65	9.63	11.47	1.04	0.83	26.20	17.35	1.48
1100	11.85	18.95	8.60	10.95	1.06	0.90	24.23	17.09	1.56
1200	11.61	18.82	7.91	11.49	1.05	0.94	24.10	17.24	1.62
1300	11.21	18.87	7.36	10.61	1.05	0.96	24.21	17.29	1.71
1400	10.74	18.99	6.75	9.95	1.05	0.99	23.81	17.14	1.76
1500	10.26	19.14	6.17	9.34	1.05	1.01	22.74	17.93	1.83
1600	9.77	19.31	5.66	8.71	1.06	1.02	22.14	17.95	1.89
1700	9.27	19.50	5.21	8.12	1.07	1.03	21.47	17.57	2.01
1800	8.77	19.68	4.81	7.55	1.08	1.03	21.20	17.20	2.13
1900	8.28	19.90	4.44	6.98	1.09	1.03	20.35	16.84	2.25
2000	7.77	20.15	4.10	6.47	1.10	1.02	19.93	16.70	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 = 2.90V, Id = 9.31mA @ 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)
10	15.11	20.25	9.33	7.98	1.08	0.49	28.88	15.61	1.71
20	15.78	19.62	13.40	13.47	1.07	0.53	28.43	16.10	1.28
30	15.91	19.50	14.99	16.93	1.07	0.54	27.55	16.45	1.22
40	15.96	19.44	15.75	19.46	1.07	0.55	28.14	17.15	1.18
50	15.97	19.43	16.34	21.41	1.07	0.55	27.58	17.42	1.17
60	15.98	19.41	16.63	22.89	1.07	0.55	28.02	17.22	1.12
70	15.98	19.40	16.76	24.14	1.07	0.55	26.69	17.14	1.13
80	15.98	19.39	16.84	25.12	1.07	0.55	26.34	17.20	1.11
90	15.97	19.38	16.95	25.82	1.07	0.55	25.77	17.35	1.08
100	15.96	19.38	16.97	26.32	1.07	0.55	25.53	17.00	1.09
150	15.93	19.38	17.00	26.69	1.07	0.56	26.52	17.17	1.10
200	15.88	19.36	16.97	24.96	1.07	0.56	25.58	17.14	1.10
250	15.82	19.38	16.89	23.71	1.07	0.57	27.33	17.39	1.13
300	15.74	19.35	16.80	22.26	1.07	0.58	26.05	17.33	1.17
350	15.66	19.36	16.57	21.23	1.07	0.59	27.37	17.27	1.16
400	15.56	19.34	16.30	20.28	1.07	0.60	26.66	17.38	1.16
450	15.45	19.32	16.00	19.33	1.07	0.61	26.01	17.58	1.16
500	15.33	19.32	15.59	18.58	1.06	0.63	27.13	17.76	1.19
550	15.20	19.33	15.13	17.96	1.06	0.64	26.63	17.51	1.19
600	15.07	19.32	14.70	17.39	1.06	0.66	26.02	17.56	1.20
650	14.92	19.31	14.16	16.81	1.06	0.68	26.20	17.66	1.24
700	14.74	19.33	13.61	16.28	1.06	0.70	26.48	17.58	1.26
750	14.60	19.31	13.14	16.01	1.06	0.72	26.91	17.94	1.30
800	14.43	19.32	12.62	15.65	1.06	0.74	27.34	17.85	1.29
850	14.25	19.32	12.11	15.25	1.06	0.76	27.79	17.70	1.31
900	14.05	19.34	11.61	14.83	1.06	0.78	27.46	17.79	1.34
950	13.85	19.36	11.10	14.45	1.06	0.80	28.01	18.17	1.34
1000	13.64	19.40	10.64	14.02	1.07	0.82	28.09	18.28	1.33
1100	13.02	19.67	9.50	13.13	1.09	0.89	30.59	18.07	1.42
1200	12.76	19.55	8.63	13.93	1.08	0.93	28.90	18.25	1.50
1300	12.38	19.57	8.07	12.78	1.08	0.95	28.43	18.31	1.59
1400	11.93	19.65	7.44	11.84	1.08	0.98	29.34	18.24	1.66
1500	11.46	19.76	6.84	10.98	1.09	1.01	26.30	18.65	1.69
1600	10.98	19.89	6.32	10.12	1.09	1.02	24.68	18.61	1.76
1700	10.50	20.03	5.85	9.34	1.10	1.03	23.72	18.08	1.88
1800	10.01	20.16	5.42	8.58	1.11	1.03	23.19	17.99	1.97
1900	9.52	20.34	5.03	7.86	1.12	1.03	21.93	17.73	2.07
2000	9.02	20.53	4.68	7.19	1.13	1.02	21.47	17.52	2.15

## 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 = 2.70V, Id = 7.01mA @ 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)
10	14.56	19.98	8.67	7.48	1.08	0.49	27.62	15.14	1.47
20	15.30	19.30	12.32	12.64	1.07	0.54	27.11	15.53	1.05
30	15.43	19.18	13.44	15.55	1.07	0.55	26.33	15.97	1.01
40	15.48	19.12	13.98	17.39	1.07	0.55	26.05	16.81	0.96
50	15.50	19.10	14.41	18.51	1.07	0.56	25.30	17.17	0.93
60	15.51	19.09	14.58	19.17	1.07	0.56	26.16	16.92	0.93
70	15.50	19.07	14.56	19.51	1.07	0.56	27.25	16.80	0.96
80	15.50	19.07	14.54	19.69	1.07	0.56	28.47	16.91	0.91
90	15.50	19.06	14.59	19.72	1.07	0.56	28.68	17.04	0.88
100	15.49	19.05	14.55	19.72	1.07	0.56	29.10	16.60	0.90
150	15.45	19.06	14.37	19.45	1.07	0.57	33.23	16.83	0.92
200	15.41	19.03	14.43	18.94	1.07	0.57	29.90	16.76	0.89
250	15.37	19.03	14.67	19.07	1.07	0.58	33.19	17.08	0.92
300	15.31	18.99	14.97	18.81	1.07	0.58	29.46	16.94	0.95
350	15.24	19.00	15.11	18.68	1.07	0.59	37.21	16.86	0.90
400	15.15	18.97	15.02	18.17	1.06	0.60	29.82	16.94	0.92
450	15.05	18.96	14.78	17.48	1.06	0.61	28.68	17.23	0.92
500	14.93	18.96	14.44	16.87	1.06	0.63	37.52	17.47	0.90
550	14.80	18.98	14.02	16.34	1.06	0.64	34.05	17.08	0.91
600	14.66	18.97	13.66	15.79	1.06	0.66	30.83	17.20	0.98
650	14.52	18.98	13.22	15.17	1.05	0.68	32.36	17.33	0.99
700	14.35	18.99	12.80	14.61	1.05	0.70	34.07	17.27	1.00
750	14.20	18.99	12.41	14.30	1.05	0.71	32.92	17.69	1.01
800	14.04	19.00	11.96	13.94	1.05	0.73	32.80	17.57	1.03
850	13.87	19.00	11.52	13.61	1.05	0.75	30.55	17.38	1.02
900	13.68	19.02	11.03	13.31	1.05	0.77	29.66	17.47	1.05
950	13.49	19.04	10.53	13.07	1.05	0.79	28.91	18.01	1.06
1000	13.28	19.09	10.08	12.76	1.05	0.82	27.71	18.23	1.07
1100	12.73	19.32	9.09	11.97	1.06	0.88	26.35	18.03	1.12
1200	12.39	19.30	8.11	13.07	1.06	0.94	26.34	18.16	1.22
1300	12.02	19.32	7.60	11.77	1.06	0.96	26.30	18.28	1.28
1400	11.56	19.44	6.96	10.83	1.06	0.98	25.24	18.17	1.30
1500	11.09	19.58	6.39	10.03	1.06	1.01	23.94	19.29	1.35
1600	10.61	19.73	5.88	9.26	1.06	1.02	23.24	19.22	1.39
1700	10.12	19.92	5.43	8.56	1.07	1.03	22.40	18.99	1.53
1800	9.63	20.08	5.02	7.88	1.07	1.03	22.19	18.56	1.58
1900	9.14	20.28	4.63	7.24	1.08	1.02	21.23	18.18	1.67
2000	8.66	20.49	4.28	6.67	1.09	1.01	20.61	18.08	1.73

## 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 = 2.50V, Id = 5.74mA @ 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)
10	13.79	19.67	8.01	7.01	1.09	0.50	23.71	14.81	1.56
20	14.57	18.95	10.95	11.67	1.08	0.56	23.95	15.28	1.12
30	14.72	18.80	11.88	13.99	1.08	0.57	23.71	15.55	1.05
40	14.77	18.74	12.28	15.26	1.08	0.57	23.13	16.38	1.05
50	14.78	18.72	12.55	15.93	1.08	0.58	22.61	16.77	1.00
60	14.80	18.71	12.65	16.28	1.08	0.58	23.20	16.53	0.97
70	14.80	18.69	12.66	16.42	1.08	0.58	24.39	16.41	1.01
80	14.79	18.69	12.66	16.48	1.08	0.58	25.34	16.50	0.97
90	14.78	18.67	12.66	16.45	1.08	0.58	26.10	16.67	0.93
100	14.77	18.67	12.63	16.42	1.08	0.58	28.01	16.22	0.95
150	14.74	18.68	12.51	16.20	1.08	0.58	26.41	16.44	0.96
200	14.70	18.64	12.57	15.88	1.07	0.58	27.56	16.40	0.96
250	14.66	18.64	12.79	16.05	1.07	0.59	25.55	16.70	0.98
300	14.61	18.59	13.06	15.90	1.07	0.60	26.06	16.56	0.99
350	14.54	18.59	13.21	15.91	1.07	0.61	25.95	16.47	0.96
400	14.45	18.56	13.21	15.57	1.07	0.62	25.77	16.57	1.01
450	14.35	18.53	13.11	15.08	1.06	0.63	25.35	16.89	1.00
500	14.23	18.53	12.89	14.65	1.06	0.64	25.95	17.11	0.94
550	14.10	18.55	12.61	14.27	1.06	0.66	27.11	16.71	0.98
600	13.96	18.54	12.36	13.83	1.05	0.67	26.78	16.83	1.02
650	13.82	18.54	12.03	13.34	1.05	0.69	26.63	17.01	1.07
700	13.64	18.55	11.70	12.90	1.05	0.71	26.36	16.96	1.08
750	13.50	18.55	11.41	12.64	1.04	0.72	25.80	17.36	1.10
800	13.33	18.55	11.04	12.35	1.04	0.74	25.52	17.24	1.07
850	13.16	18.55	10.68	12.07	1.04	0.76	25.04	17.01	1.09
900	12.97	18.57	10.27	11.83	1.04	0.78	24.84	17.11	1.09
950	12.78	18.60	9.83	11.63	1.04	0.80	24.33	17.58	1.11
1000	12.57	18.64	9.43	11.39	1.04	0.82	24.15	17.74	1.12
1100	12.00	18.88	8.52	10.77	1.05	0.89	23.15	17.51	1.19
1200	11.68	18.85	7.67	11.72	1.04	0.95	23.20	17.61	1.28
1300	11.30	18.88	7.17	10.62	1.04	0.96	23.17	17.71	1.33
1400	10.83	19.02	6.55	9.85	1.04	0.99	22.54	17.54	1.37
1500	10.35	19.18	5.99	9.18	1.04	1.01	21.78	18.71	1.45
1600	9.85	19.35	5.49	8.54	1.04	1.02	21.45	18.65	1.47
1700	9.35	19.55	5.06	7.94	1.05	1.03	20.96	18.49	1.59
1800	8.86	19.73	4.66	7.35	1.05	1.03	20.91	18.00	1.69
1900	8.36	19.96	4.28	6.79	1.06	1.02	20.25	17.57	1.78
2000	7.87	20.20	3.95	6.29	1.07	1.01	19.76	17.46	1.84

## 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 = 2.90V, Id = 8.38mA @ 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)			(dBm)	(dBm)	(dB)
10	15.24	20.27	9.39	7.88	1.07	0.47	33.18	15.40	1.39
20	15.90	19.65	13.44	13.40	1.07	0.52	28.67	15.56	1.02
30	16.02	19.53	15.03	16.83	1.07	0.53	27.46	16.19	0.96
40	16.07	19.48	15.82	19.32	1.07	0.54	28.26	17.04	0.93
50	16.08	19.47	16.29	21.13	1.07	0.54	27.81	17.36	0.87
60	16.09	19.45	16.56	22.41	1.07	0.54	28.26	17.13	0.85
70	16.09	19.44	16.64	23.35	1.07	0.54	26.84	17.02	0.89
80	16.09	19.43	16.65	23.95	1.07	0.54	26.48	17.14	0.81
90	16.08	19.42	16.66	24.30	1.07	0.54	25.95	17.24	0.81
100	16.07	19.41	16.64	24.46	1.07	0.54	25.59	16.84	0.84
150	16.04	19.43	16.42	24.10	1.07	0.55	26.57	17.08	0.84
200	15.99	19.40	16.47	23.14	1.06	0.55	25.68	16.96	0.81
250	15.95	19.40	16.74	23.00	1.06	0.56	27.37	17.31	0.86
300	15.89	19.37	17.02	22.35	1.06	0.56	26.32	17.17	0.86
350	15.81	19.38	17.03	21.78	1.06	0.58	27.51	17.10	0.86
400	15.72	19.36	16.80	20.95	1.06	0.59	27.05	17.19	0.87
450	15.62	19.34	16.40	19.98	1.06	0.60	26.49	17.41	0.88
500	15.50	19.35	15.86	19.15	1.06	0.61	27.41	17.68	0.84
550	15.37	19.36	15.29	18.44	1.06	0.63	26.85	17.29	0.90
600	15.24	19.36	14.81	17.77	1.06	0.65	26.32	17.42	0.91
650	15.09	19.36	14.25	17.02	1.06	0.67	26.66	17.49	0.92
700	14.93	19.38	13.73	16.35	1.06	0.69	27.04	17.45	0.95
750	14.78	19.38	13.25	15.98	1.06	0.70	27.76	17.88	0.94
800	14.62	19.38	12.74	15.56	1.06	0.72	28.20	17.77	0.97
850	14.45	19.38	12.21	15.18	1.06	0.74	28.98	17.66	0.97
900	14.26	19.40	11.67	14.84	1.06	0.76	28.89	17.75	1.00
950	14.07	19.42	11.11	14.54	1.06	0.79	30.33	18.33	0.98
1000	13.87	19.46	10.63	14.18	1.06	0.81	27.59	18.61	1.01
1100	13.32	19.68	9.60	13.17	1.07	0.87	35.42	18.44	1.08
1200	12.97	19.66	8.50	14.45	1.08	0.93	32.88	18.60	1.12
1300	12.62	19.66	7.99	12.93	1.07	0.95	32.52	18.75	1.20
1400	12.17	19.76	7.35	11.82	1.07	0.98	30.42	18.67	1.23
1500	11.71	19.87	6.76	10.87	1.07	1.00	27.05	19.72	1.28
1600	11.23	20.00	6.25	9.97	1.08	1.01	25.26	19.67	1.33
1700	10.75	20.16	5.79	9.16	1.08	1.02	24.00	19.37	1.44
1800	10.27	20.29	5.37	8.38	1.09	1.02	23.56	19.03	1.52
1900	9.78	20.47	4.95	7.66	1.09	1.02	22.20	18.68	1.58
2000	9.29	20.65	4.60	7.00	1.10	1.00	21.51	18.58	1.61

## 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 = 2.70V, Id = 8.93mA @ 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)
10	14.43	19.96	8.66	7.65	1.08	0.51	33.40	14.38	2.03
20	15.17	19.28	12.24	12.80	1.08	0.55	28.97	15.03	1.55
30	15.31	19.14	13.42	15.80	1.08	0.56	27.51	15.46	1.53
40	15.36	19.08	13.99	17.76	1.07	0.57	27.46	16.06	1.48
50	15.37	19.06	14.49	19.09	1.08	0.57	26.66	16.27	1.44
60	15.39	19.05	14.75	20.00	1.07	0.57	27.60	16.12	1.41
70	15.39	19.03	14.84	20.68	1.07	0.57	27.57	16.08	1.44
80	15.39	19.02	14.95	21.19	1.07	0.57	27.89	16.10	1.41
90	15.39	19.01	15.12	21.58	1.07	0.57	27.35	16.26	1.37
100	15.38	19.00	15.20	21.90	1.07	0.57	27.18	15.95	1.40
150	15.35	19.00	15.44	22.59	1.07	0.58	29.18	16.09	1.40
200	15.30	18.98	15.51	21.87	1.07	0.58	27.44	16.08	1.40
250	15.23	19.00	15.37	20.88	1.07	0.59	31.32	16.27	1.42
300	15.14	18.98	15.17	19.55	1.07	0.60	27.65	16.26	1.45
350	15.05	18.99	14.88	18.57	1.07	0.61	31.02	16.20	1.45
400	14.94	18.97	14.62	17.67	1.07	0.62	28.18	16.32	1.46
450	14.83	18.95	14.39	16.84	1.07	0.63	27.25	16.44	1.48
500	14.71	18.94	14.15	16.25	1.06	0.65	30.60	16.59	1.43
550	14.57	18.95	13.84	15.74	1.06	0.66	28.77	16.43	1.49
600	14.43	18.93	13.54	15.28	1.06	0.68	27.70	16.44	1.55
650	14.27	18.93	13.13	14.80	1.06	0.69	27.96	16.53	1.55
700	14.09	18.94	12.69	14.37	1.06	0.72	28.40	16.42	1.61
750	13.95	18.92	12.34	14.11	1.06	0.73	28.73	16.75	1.62
800	13.77	18.92	11.90	13.77	1.06	0.75	29.43	16.69	1.65
850	13.59	18.93	11.48	13.41	1.06	0.77	29.50	16.56	1.64
900	13.38	18.94	11.06	13.05	1.06	0.79	28.39	16.61	1.67
950	13.18	18.97	10.61	12.73	1.06	0.81	28.69	16.87	1.71
1000	12.96	19.01	10.19	12.38	1.06	0.83	33.23	16.88	1.69
1100	12.32	19.30	9.05	11.99	1.08	0.91	28.76	16.63	1.78
1200	12.11	19.12	8.43	12.29	1.07	0.93	27.71	16.80	1.86
1300	11.71	19.16	7.85	11.49	1.07	0.95	27.62	16.82	1.95
1400	11.25	19.25	7.22	10.82	1.07	0.98	27.58	16.74	2.01
1500	10.78	19.37	6.63	10.17	1.08	1.01	25.11	16.80	2.07
1600	10.30	19.51	6.10	9.50	1.09	1.02	23.94	16.74	2.19
1700	9.81	19.68	5.63	8.87	1.10	1.04	22.96	16.24	2.25
1800	9.32	19.83	5.20	8.25	1.11	1.04	22.45	16.21	2.44
1900	8.82	20.02	4.80	7.63	1.12	1.04	21.31	15.99	2.51
2000	8.30	20.25	4.45	7.06	1.13	1.03	20.81	15.71	2.64

## 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 = 2.50V, Id = 7.61mA @ 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)
10	13.79	19.67	8.09	7.22	1.09	0.51	26.14	13.92	2.11
20	14.57	18.95	11.12	11.92	1.08	0.56	25.83	14.51	1.64
30	14.71	18.80	12.09	14.36	1.08	0.58	25.33	14.88	1.58
40	14.77	18.74	12.57	15.77	1.08	0.58	24.78	15.54	1.54
50	14.79	18.71	12.91	16.63	1.08	0.58	24.18	15.79	1.50
60	14.80	18.70	13.09	17.16	1.08	0.58	24.95	15.63	1.48
70	14.81	18.68	13.20	17.52	1.08	0.58	26.18	15.58	1.49
80	14.81	18.67	13.29	17.77	1.08	0.58	27.45	15.59	1.48
90	14.81	18.65	13.40	17.96	1.08	0.58	28.20	15.79	1.47
100	14.80	18.64	13.46	18.11	1.08	0.58	30.51	15.45	1.47
150	14.78	18.64	13.69	18.56	1.08	0.59	32.42	15.60	1.49
200	14.72	18.61	13.78	18.20	1.08	0.59	31.11	15.60	1.48
250	14.66	18.63	13.71	17.74	1.08	0.61	29.70	15.81	1.47
300	14.57	18.61	13.58	16.88	1.07	0.61	28.02	15.79	1.50
350	14.47	18.63	13.38	16.24	1.07	0.62	30.06	15.71	1.51
400	14.37	18.61	13.21	15.59	1.07	0.63	27.64	15.85	1.53
450	14.26	18.59	13.07	14.96	1.07	0.64	26.94	16.02	1.56
500	14.14	18.58	12.90	14.50	1.06	0.65	29.93	16.17	1.53
550	14.00	18.58	12.71	14.12	1.06	0.67	30.76	15.99	1.58
600	13.86	18.57	12.50	13.76	1.06	0.68	28.93	15.99	1.59
650	13.71	18.56	12.19	13.35	1.06	0.70	29.14	16.12	1.63
700	13.52	18.58	11.85	13.00	1.06	0.72	29.20	15.98	1.67
750	13.38	18.56	11.56	12.77	1.05	0.73	28.37	16.34	1.68
800	13.20	18.56	11.20	12.47	1.05	0.75	28.32	16.26	1.69
850	13.02	18.57	10.85	12.16	1.05	0.77	27.64	16.10	1.73
900	12.82	18.59	10.46	11.85	1.05	0.79	26.93	16.17	1.74
950	12.62	18.62	10.06	11.56	1.05	0.81	26.43	16.48	1.74
1000	12.39	18.67	9.67	11.25	1.05	0.83	27.95	16.52	1.74
1100	11.75	18.96	8.62	10.98	1.07	0.91	25.28	16.22	1.85
1200	11.55	18.79	8.07	11.18	1.06	0.93	24.99	16.40	1.95
1300	11.14	18.85	7.50	10.47	1.06	0.95	25.18	16.43	2.00
1400	10.68	18.97	6.88	9.88	1.06	0.98	24.83	16.30	2.11
1500	10.20	19.10	6.30	9.32	1.06	1.00	23.38	16.55	2.16
1600	9.71	19.27	5.79	8.74	1.07	1.02	22.66	16.55	2.27
1700	9.21	19.46	5.33	8.19	1.08	1.03	21.87	16.07	2.39
1800	8.71	19.63	4.91	7.65	1.09	1.03	21.52	15.93	2.53
1900	8.20	19.86	4.52	7.11	1.11	1.03	20.56	15.67	2.65
2000	7.69	20.11	4.18	6.61	1.12	1.03	20.09	15.45	2.74



## 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 = 2.90V, Id = 10.24mA @ 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)
10	14.95	20.17	9.28	7.95	1.08	0.50	28.32	14.71	1.98
20	15.63	19.54	13.11	13.36	1.07	0.54	28.62	15.43	1.51
30	15.76	19.41	14.62	16.74	1.07	0.55	27.90	15.92	1.45
40	15.82	19.35	15.38	19.18	1.07	0.55	28.49	16.48	1.44
50	15.82	19.34	15.94	21.02	1.07	0.56	27.85	16.63	1.39
60	15.84	19.32	16.27	22.45	1.07	0.56	28.04	16.51	1.38
70	15.84	19.30	16.46	23.68	1.07	0.56	26.58	16.48	1.37
80	15.84	19.30	16.62	24.69	1.07	0.56	26.15	16.51	1.34
90	15.83	19.29	16.77	25.57	1.07	0.56	25.58	16.62	1.32
100	15.83	19.28	16.86	26.26	1.07	0.56	25.33	16.36	1.34
150	15.80	19.28	17.18	27.81	1.07	0.56	26.14	16.49	1.34
200	15.74	19.27	17.22	26.03	1.07	0.57	25.38	16.46	1.34
250	15.67	19.28	16.97	24.02	1.07	0.58	26.87	16.64	1.35
300	15.59	19.27	16.63	22.16	1.07	0.59	25.87	16.63	1.41
350	15.49	19.28	16.25	20.74	1.07	0.60	26.96	16.58	1.40
400	15.39	19.27	15.89	19.64	1.07	0.61	26.44	16.68	1.42
450	15.27	19.25	15.57	18.64	1.07	0.62	25.75	16.74	1.40
500	15.16	19.25	15.21	17.91	1.07	0.64	26.68	16.88	1.44
550	15.02	19.25	14.82	17.30	1.07	0.65	26.23	16.77	1.41
600	14.88	19.25	14.41	16.77	1.07	0.67	25.71	16.80	1.52
650	14.72	19.24	13.91	16.21	1.07	0.69	25.80	16.81	1.50
700	14.54	19.26	13.39	15.70	1.07	0.71	26.02	16.76	1.54
750	14.40	19.25	12.94	15.41	1.06	0.72	26.38	17.02	1.56
800	14.22	19.25	12.47	15.02	1.07	0.74	26.74	17.01	1.59
850	14.04	19.25	11.99	14.61	1.07	0.76	27.18	16.93	1.58
900	13.84	19.27	11.53	14.20	1.07	0.78	26.84	16.94	1.61
950	13.64	19.29	11.04	13.81	1.07	0.80	27.26	17.11	1.62
1000	13.42	19.34	10.59	13.40	1.07	0.83	27.35	17.07	1.64
1100	12.78	19.63	9.40	12.87	1.09	0.90	29.90	16.89	1.71
1200	12.57	19.45	8.72	13.23	1.08	0.92	28.33	17.02	1.80
1300	12.17	19.48	8.13	12.30	1.08	0.95	27.76	17.05	1.86
1400	11.72	19.57	7.49	11.50	1.09	0.98	28.75	17.01	1.92
1500	11.25	19.68	6.88	10.74	1.09	1.00	26.25	16.91	2.00
1600	10.77	19.81	6.35	9.96	1.10	1.02	24.91	16.82	2.06
1700	10.28	19.96	5.87	9.25	1.11	1.03	23.88	16.31	2.22
1800	9.79	20.09	5.43	8.55	1.12	1.03	23.27	16.36	2.34
1900	9.29	20.28	5.03	7.87	1.14	1.03	21.96	16.15	2.43
2000	8.79	20.48	4.67	7.24	1.15	1.02	21.44	15.74	2.55