

## 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 = 2.75V, Id = 63mA @ 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)
1	23.66	28.72	9.42	10.79	1.09	0.61	30.06	13.37	-
3	24.02	28.16	11.85	20.07	1.08	0.64	30.31	13.38	-
5	23.99	28.01	12.29	24.75	1.07	0.64	30.45	13.45	-
7	23.91	27.68	12.56	26.54	1.06	0.62	30.61	13.55	-
9	23.82	27.54	12.90	26.56	1.05	0.62	30.77	13.79	-
10	23.77	27.33	13.05	26.19	1.04	0.61	30.84	13.84	0.93
20	23.24	26.25	14.73	22.19	1.02	0.55	31.69	15.26	1.06
30	22.86	25.61	16.32	20.72	1.02	0.50	32.37	16.45	0.96
40	22.65	25.36	17.46	20.24	1.02	0.48	32.69	17.44	0.99
50	22.54	25.53	18.04	19.35	1.04	0.47	32.84	17.98	1.03
60	22.44	25.17	18.77	19.77	1.03	0.47	32.95	17.98	1.02
70	22.38	25.03	19.11	19.69	1.03	0.46	33.03	18.11	1.05
80	22.34	25.05	19.40	19.65	1.03	0.46	33.12	18.27	1.05
90	22.31	25.06	19.55	19.69	1.04	0.47	33.15	18.30	1.06
100	22.29	24.98	19.75	19.79	1.04	0.46	33.18	18.39	1.10
150	22.22	24.98	20.03	20.30	1.04	0.47	32.84	18.43	1.11
200	22.16	24.99	19.88	21.17	1.04	0.48	33.19	18.46	1.12
250	22.12	25.12	19.47	22.31	1.05	0.50	32.66	18.57	1.09
300	22.06	25.18	18.91	23.51	1.05	0.52	33.62	18.58	1.10
350	21.99	25.25	18.21	24.30	1.05	0.55	32.69	18.62	1.16
400	21.91	25.30	17.56	24.21	1.05	0.57	31.99	18.51	1.14
450	21.81	25.47	16.88	22.76	1.06	0.60	31.94	18.34	1.12
500	21.67	25.61	16.13	20.60	1.07	0.63	31.30	18.54	1.13
550	21.41	25.88	15.14	18.40	1.08	0.68	30.83	18.10	1.13
600	21.11	26.18	13.50	18.72	1.10	0.74	30.29	18.10	1.15
650	21.24	26.08	13.46	18.13	1.09	0.73	30.35	18.12	1.14
700	21.13	26.09	13.22	16.20	1.08	0.73	30.21	18.14	1.16
750	20.94	26.31	12.83	14.74	1.09	0.76	29.97	17.95	1.14
800	20.72	26.47	12.31	13.52	1.10	0.78	29.70	18.02	1.25
850	20.46	26.64	11.75	12.47	1.11	0.80	29.13	18.00	1.24
900	20.13	26.98	11.09	11.50	1.13	0.83	29.00	17.83	1.22
950	19.71	27.39	10.30	10.58	1.15	0.87	27.92	17.52	1.25
1000	19.10	27.90	9.28	9.77	1.20	0.92	27.69	17.12	1.29
1050	18.20	28.75	7.93	9.41	1.29	1.00	27.17	16.56	1.38
1100	17.69	29.16	6.76	10.67	1.35	1.11	26.71	16.33	1.43
1150	18.04	28.75	6.44	12.23	1.28	1.13	27.53	16.84	1.45
1200	17.99	28.76	6.18	11.58	1.25	1.14	27.39	17.02	1.60

## 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 = 3.00V, Id = 72mA @ 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)
1	23.86	28.94	9.63	10.92	1.10	0.62	31.64	14.60	2.92
3	24.22	28.04	12.16	20.79	1.07	0.61	31.90	14.60	1.94
5	24.19	28.07	12.62	26.07	1.07	0.63	32.05	14.66	1.69
7	24.10	27.81	12.89	28.17	1.06	0.62	32.21	14.76	1.51
9	24.00	27.56	13.23	27.70	1.05	0.61	32.37	15.00	1.21
10	23.96	27.42	13.37	26.88	1.04	0.60	32.44	15.05	0.95
20	23.41	26.28	14.96	21.60	1.01	0.53	33.27	16.34	1.05
30	23.03	25.73	16.44	20.06	1.02	0.49	33.87	17.73	0.98
40	22.82	25.45	17.31	19.43	1.02	0.47	34.20	18.49	1.00
50	22.70	25.42	18.11	18.91	1.01	0.46	34.35	19.10	1.01
60	22.60	25.22	18.50	18.98	1.03	0.45	34.46	19.00	1.02
70	22.54	25.23	18.81	18.85	1.03	0.46	34.51	19.10	1.04
80	22.51	25.16	18.97	18.79	1.03	0.45	34.59	19.18	1.04
90	22.47	25.17	19.18	18.86	1.04	0.46	34.64	19.29	1.03
100	22.45	25.14	19.32	18.92	1.04	0.45	34.66	19.38	1.07
150	22.38	25.10	19.63	19.39	1.04	0.46	34.76	19.41	1.10
200	22.33	25.16	19.63	20.12	1.04	0.48	34.06	19.36	1.09
250	22.29	25.15	19.48	21.21	1.04	0.48	34.42	19.56	1.09
300	22.24	25.26	19.18	22.39	1.05	0.51	34.22	19.58	1.08
350	22.17	25.36	18.70	23.36	1.05	0.53	33.99	19.53	1.16
400	22.10	25.46	18.22	23.91	1.06	0.56	33.32	19.51	1.15
450	22.01	25.58	17.63	23.04	1.06	0.59	33.40	19.36	1.12
500	21.88	25.72	17.00	21.17	1.07	0.62	32.98	19.47	1.13
550	21.63	25.99	16.06	18.95	1.08	0.66	32.18	19.03	1.13
600	21.34	26.20	14.25	19.17	1.10	0.72	32.14	19.15	1.14
650	21.47	26.10	14.23	18.88	1.08	0.70	32.15	19.06	1.15
700	21.38	26.22	14.03	16.91	1.09	0.72	31.72	19.10	1.21
750	21.21	26.37	13.64	15.35	1.09	0.74	31.38	18.91	1.16
800	21.00	26.52	13.12	14.07	1.10	0.76	31.30	19.11	1.20
850	20.75	26.78	12.53	12.95	1.11	0.79	30.62	19.12	1.18
900	20.44	27.00	11.85	11.92	1.13	0.81	30.31	18.96	1.22
950	20.03	27.40	11.01	10.95	1.15	0.85	29.53	18.70	1.23
1000	19.43	27.92	9.91	10.08	1.20	0.90	29.28	18.30	1.27
1050	18.55	28.80	8.44	9.65	1.30	0.99	28.66	17.78	1.33
1100	18.02	29.27	7.16	10.88	1.37	1.09	28.14	17.52	1.42
1150	18.39	28.81	6.81	12.60	1.29	1.11	28.94	17.99	1.46
1200	18.37	28.82	6.54	12.01	1.26	1.12	28.80	18.11	1.51

## 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 = 3.25V, Id = 79mA @ 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)			(dBm)	(dBm)	(dB)
1	24.05	28.98	9.84	11.01	1.09	0.60	33.24	15.59	-
3	24.41	28.36	12.51	21.27	1.07	0.62	33.51	15.65	-
5	24.37	28.19	12.94	27.57	1.07	0.62	33.65	15.65	-
7	24.28	27.82	13.22	29.97	1.05	0.60	33.84	15.75	-
9	24.18	27.46	13.53	28.49	1.04	0.58	34.00	15.96	-
10	24.14	27.51	13.69	27.27	1.04	0.59	34.03	16.01	0.96
20	23.53	26.42	15.06	21.16	1.01	0.53	34.83	17.25	1.06
30	23.14	25.86	16.41	19.58	1.02	0.49	35.50	18.44	0.97
40	22.92	25.55	17.22	18.94	1.02	0.47	35.70	19.27	0.99
50	22.81	25.52	17.60	18.41	1.01	0.45	35.88	19.76	1.05
60	22.71	25.37	18.24	18.48	1.03	0.46	35.96	19.75	1.01
70	22.65	25.31	18.51	18.37	1.03	0.45	35.98	19.75	1.05
80	22.61	25.24	18.69	18.32	1.03	0.45	36.08	19.84	1.07
90	22.58	25.22	18.81	18.34	1.03	0.45	36.13	19.94	1.05
100	22.55	25.28	18.99	18.39	1.04	0.46	36.15	20.02	1.08
150	22.49	25.21	19.27	18.83	1.04	0.46	36.02	20.05	1.13
200	22.44	25.29	19.43	19.51	1.04	0.47	35.36	20.00	1.11
250	22.40	25.27	19.41	20.54	1.04	0.48	36.51	20.21	1.10
300	22.35	25.32	19.24	21.65	1.05	0.50	34.56	20.23	1.10
350	22.29	25.43	18.91	22.70	1.05	0.53	34.93	20.18	1.16
400	22.23	25.51	18.59	23.52	1.05	0.55	34.58	20.16	1.11
450	22.13	25.67	18.15	23.10	1.06	0.58	34.31	20.02	1.11
500	22.01	25.78	17.58	21.50	1.07	0.61	33.99	20.15	1.13
550	21.77	25.98	16.68	19.29	1.08	0.65	32.98	19.70	1.15
600	21.49	26.28	14.77	19.46	1.10	0.71	32.79	19.82	1.14
650	21.63	26.18	14.77	19.38	1.08	0.69	33.13	19.73	1.14
700	21.54	26.22	14.60	17.37	1.08	0.70	32.52	19.77	1.21
750	21.38	26.41	14.22	15.79	1.09	0.72	32.42	19.58	1.19
800	21.18	26.56	13.69	14.45	1.10	0.75	32.37	19.69	1.17
850	20.93	26.76	13.10	13.28	1.11	0.77	31.79	19.82	1.21
900	20.63	27.04	12.38	12.21	1.13	0.80	31.40	19.67	1.24
950	20.23	27.40	11.50	11.19	1.15	0.84	30.59	19.43	1.27
1000	19.64	27.98	10.35	10.28	1.20	0.89	30.32	19.04	1.28
1050	18.76	28.80	8.79	9.82	1.30	0.97	29.73	18.53	1.37
1100	18.24	29.28	7.43	11.07	1.37	1.08	29.17	18.29	1.42
1150	18.62	28.88	7.07	12.86	1.30	1.10	29.99	18.63	1.47
1200	18.61	28.80	6.79	12.28	1.25	1.11	29.86	18.87	1.53

## 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 = 132mA @ 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)			(dBm)	(dBm)	(dB)
1	24.63	29.24	10.42	11.20	1.08	0.58	38.06	19.95	-
3	24.96	28.67	13.59	22.35	1.07	0.59	38.37	19.99	-
5	24.93	28.64	14.09	32.48	1.07	0.61	38.54	20.12	-
7	24.83	28.21	14.30	33.65	1.05	0.58	38.73	20.20	-
9	24.72	27.91	14.56	28.26	1.04	0.56	38.93	20.30	-
10	24.67	27.82	14.64	26.29	1.03	0.56	39.01	20.46	1.01
20	24.07	26.70	15.49	19.44	1.01	0.49	39.94	21.88	1.09
30	23.66	26.30	16.11	17.81	1.01	0.47	40.63	22.73	1.02
40	23.43	25.94	16.50	17.22	1.02	0.44	40.83	23.08	1.03
50	23.31	25.90	16.53	16.64	1.01	0.43	41.07	23.53	1.05
60	23.20	25.69	16.92	16.69	1.02	0.42	41.11	23.43	1.03
70	23.14	25.71	17.01	16.59	1.03	0.43	41.19	23.50	1.05
80	23.10	25.62	17.06	16.54	1.03	0.42	41.22	23.58	1.04
90	23.07	25.67	17.15	16.55	1.03	0.43	41.29	23.59	1.06
100	23.04	25.66	17.23	16.59	1.03	0.43	41.30	23.68	1.09
150	22.98	25.62	17.58	16.89	1.04	0.43	40.13	23.71	1.08
200	22.94	25.62	17.92	17.50	1.04	0.44	39.70	23.74	1.11
250	22.92	25.66	18.37	18.34	1.04	0.45	37.81	23.92	1.11
300	22.89	25.71	18.76	19.45	1.04	0.47	38.89	23.94	1.07
350	22.85	25.80	19.15	20.67	1.05	0.49	39.46	24.01	1.15
400	22.81	25.87	19.63	22.41	1.05	0.51	39.70	23.91	1.12
450	22.75	25.97	20.05	24.05	1.06	0.53	38.31	23.83	1.12
500	22.66	26.04	20.40	24.67	1.06	0.55	38.55	24.06	1.12
550	22.46	26.29	20.24	22.84	1.08	0.60	38.09	23.54	1.14
600	22.20	26.59	17.82	22.66	1.10	0.66	38.26	23.69	1.15
650	22.37	26.43	17.83	24.73	1.09	0.63	37.26	23.49	1.14
700	22.32	26.50	18.02	21.85	1.09	0.64	36.83	23.56	1.21
750	22.20	26.62	17.79	19.38	1.10	0.66	36.62	23.35	1.18
800	22.05	26.83	17.30	17.41	1.11	0.68	37.09	23.51	1.19
850	21.85	26.99	16.62	15.76	1.12	0.71	36.48	23.56	1.19
900	21.59	27.32	15.74	14.27	1.14	0.74	36.38	23.46	1.24
950	21.23	27.69	14.58	12.92	1.17	0.78	35.92	23.39	1.25
1000	20.67	28.23	12.99	11.73	1.23	0.83	35.86	23.01	1.27
1050	19.79	29.12	10.89	11.12	1.35	0.92	35.35	22.68	1.35
1100	19.26	29.68	9.10	12.65	1.45	1.02	34.36	22.45	1.38
1150	19.69	29.26	8.57	15.23	1.36	1.04	34.72	22.58	1.45
1200	19.76	29.23	8.25	14.40	1.32	1.04	34.91	22.81	1.50

## 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 = 141mA @ 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)
1	24.69	29.23	10.49	11.20	1.08	0.57	38.64	20.51	3.20
3	25.03	28.87	13.71	22.38	1.08	0.61	38.87	20.60	1.99
5	24.99	28.43	14.23	32.65	1.06	0.58	39.06	20.60	1.84
7	24.89	28.13	14.44	33.52	1.04	0.56	39.25	20.69	1.75
9	24.78	27.98	14.69	28.06	1.04	0.56	39.47	20.90	1.61
10	24.73	27.80	14.76	26.23	1.03	0.55	39.57	20.95	1.04
20	24.12	26.82	15.41	19.33	1.01	0.50	40.52	22.44	1.10
30	23.71	26.32	16.13	17.70	1.01	0.47	41.25	23.15	1.04
40	23.48	26.00	16.42	17.12	1.02	0.44	41.61	23.49	1.04
50	23.36	25.91	16.50	16.56	1.03	0.45	41.70	23.95	1.02
60	23.25	25.79	16.75	16.58	1.03	0.43	41.72	23.85	1.02
70	23.19	25.70	16.86	16.47	1.03	0.42	41.85	23.91	1.03
80	23.15	25.77	16.92	16.43	1.03	0.43	41.87	23.99	1.05
90	23.12	25.66	16.95	16.43	1.03	0.42	41.87	24.08	1.07
100	23.09	25.66	17.07	16.48	1.03	0.42	41.92	24.09	1.11
150	23.03	25.65	17.40	16.80	1.04	0.43	39.26	24.20	1.08
200	22.99	25.67	17.74	17.38	1.04	0.44	39.17	24.15	1.11
250	22.97	25.67	18.20	18.23	1.04	0.44	38.24	24.42	1.10
300	22.94	25.77	18.64	19.29	1.05	0.47	40.19	24.45	1.11
350	22.91	25.72	19.09	20.61	1.04	0.47	40.60	24.44	1.15
400	22.87	25.88	19.64	22.37	1.05	0.50	38.60	24.42	1.14
450	22.81	25.94	20.16	24.30	1.06	0.52	39.17	24.26	1.15
500	22.73	26.07	20.63	25.37	1.06	0.55	39.58	24.50	1.15
550	22.53	26.29	20.59	23.64	1.08	0.59	38.63	23.98	1.16
600	22.27	26.57	18.14	23.35	1.10	0.65	37.58	24.13	1.17
650	22.44	26.46	18.17	26.05	1.09	0.62	37.70	24.03	1.13
700	22.40	26.50	18.39	22.74	1.09	0.63	37.46	24.00	1.21
750	22.29	26.63	18.23	20.02	1.10	0.65	37.40	23.80	1.18
800	22.14	26.85	17.72	17.87	1.11	0.68	37.61	23.95	1.19
850	21.94	27.03	17.06	16.12	1.12	0.70	37.26	24.11	1.18
900	21.69	27.32	16.15	14.56	1.14	0.73	37.11	24.02	1.20
950	21.33	27.74	14.96	13.15	1.18	0.78	36.17	23.83	1.21
1000	20.77	28.28	13.30	11.91	1.24	0.83	36.17	23.45	1.26
1050	19.88	29.20	11.13	11.32	1.36	0.92	35.69	23.12	1.36
1100	19.35	29.81	9.29	12.93	1.47	1.02	35.25	22.88	1.40
1150	19.78	29.33	8.75	15.67	1.37	1.03	35.36	23.02	1.45
1200	19.87	29.26	8.41	14.70	1.33	1.03	35.65	23.36	1.53

## 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 = 149mA @ 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)			(dBm)	(dBm)	(dB)
1	24.74	29.13	10.55	11.18	1.07	0.55	39.03	20.85	-
3	25.08	28.64	13.86	22.39	1.06	0.58	39.23	21.01	-
5	25.04	28.47	14.38	32.74	1.06	0.58	39.38	21.05	-
7	24.95	28.27	14.58	33.36	1.05	0.57	39.59	21.13	-
9	24.83	28.03	14.79	27.91	1.04	0.56	39.80	21.22	-
10	24.78	27.82	14.88	26.10	1.03	0.55	39.90	21.26	1.09
20	24.17	26.74	15.46	19.35	1.00	0.48	40.85	23.02	1.12
30	23.75	26.33	16.05	17.60	1.01	0.46	41.60	23.59	1.06
40	23.52	26.01	16.40	17.02	1.02	0.43	41.95	23.92	1.04
50	23.40	25.92	16.53	16.52	1.04	0.43	42.07	24.39	1.05
60	23.29	25.81	16.64	16.50	1.02	0.42	42.21	24.28	1.04
70	23.23	25.77	16.73	16.41	1.03	0.42	42.21	24.35	1.04
80	23.19	25.73	16.84	16.36	1.03	0.42	42.27	24.42	1.07
90	23.16	25.76	16.86	16.36	1.03	0.42	42.27	24.52	1.08
100	23.13	25.66	16.93	16.40	1.03	0.41	42.35	24.53	1.10
150	23.07	25.68	17.27	16.71	1.04	0.42	39.95	24.64	1.13
200	23.04	25.72	17.62	17.29	1.04	0.44	42.28	24.59	1.11
250	23.02	25.77	18.03	18.13	1.04	0.45	41.80	24.86	1.10
300	22.99	25.78	18.54	19.19	1.04	0.46	39.45	24.89	1.11
350	22.96	25.79	19.06	20.52	1.05	0.47	38.75	24.89	1.18
400	22.92	25.94	19.63	22.37	1.05	0.50	37.54	24.88	1.15
450	22.87	25.93	20.22	24.52	1.05	0.51	38.28	24.72	1.12
500	22.79	26.10	20.82	26.05	1.06	0.54	39.27	24.97	1.18
550	22.59	26.30	20.93	24.43	1.08	0.58	38.27	24.44	1.20
600	22.33	26.62	18.43	24.16	1.10	0.64	38.40	24.60	1.20
650	22.51	26.50	18.47	27.54	1.09	0.62	38.20	24.50	1.16
700	22.47	26.58	18.77	23.59	1.09	0.63	37.29	24.48	1.17
750	22.36	26.70	18.63	20.56	1.10	0.65	37.17	24.28	1.22
800	22.21	26.85	18.15	18.24	1.11	0.67	38.02	24.43	1.22
850	22.02	27.10	17.46	16.40	1.13	0.70	37.24	24.59	1.24
900	21.77	27.36	16.53	14.77	1.15	0.73	37.26	24.39	1.22
950	21.41	27.75	15.28	13.30	1.18	0.77	36.96	24.29	1.23
1000	20.84	28.40	13.57	12.06	1.25	0.83	36.12	23.92	1.32
1050	19.94	29.29	11.31	11.48	1.38	0.92	36.11	23.58	1.35
1100	19.43	29.84	9.43	13.27	1.48	1.01	36.14	23.36	1.43
1150	19.88	29.35	8.91	16.12	1.38	1.03	36.02	23.51	1.45
1200	19.97	29.32	8.57	14.87	1.34	1.02	36.11	23.74	1.57



## 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 = 2.75V, Id = 60mA @ 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)
1	23.69	28.62	9.33	10.58	1.08	0.60	29.82	13.56	-
3	24.03	28.39	11.79	19.78	1.09	0.66	30.07	13.60	-
5	24.01	27.91	12.26	23.82	1.07	0.63	30.22	13.67	-
7	23.94	27.73	12.60	25.59	1.06	0.62	30.37	13.79	-
9	23.84	27.31	12.89	25.69	1.04	0.60	30.55	14.04	-
10	23.80	27.23	13.08	25.28	1.04	0.59	30.59	14.10	0.71
20	23.27	25.98	15.01	22.40	1.01	0.51	31.47	14.91	0.82
30	22.92	25.69	16.47	21.02	1.02	0.50	32.05	16.27	0.77
40	22.71	25.34	17.52	20.58	1.02	0.47	32.40	17.27	0.76
50	22.59	25.21	18.47	20.17	1.03	0.46	32.55	17.77	0.79
60	22.49	25.11	19.02	20.13	1.03	0.46	32.66	17.96	0.80
70	22.44	25.10	19.43	20.15	1.03	0.46	32.75	18.02	0.84
80	22.40	25.02	19.72	20.19	1.03	0.45	32.81	18.03	0.93
90	22.38	25.04	19.97	20.25	1.04	0.46	32.86	18.16	0.92
100	22.36	25.01	20.14	20.32	1.04	0.45	32.86	18.15	0.89
150	22.29	25.00	20.59	21.03	1.04	0.46	32.84	18.23	0.91
200	22.25	25.04	20.58	21.89	1.04	0.48	32.86	18.24	0.90
250	22.21	25.00	20.25	23.15	1.04	0.48	32.92	18.24	0.86
300	22.17	25.16	19.83	24.22	1.05	0.51	32.34	18.28	0.85
350	22.11	25.17	19.16	25.05	1.05	0.52	32.26	18.22	0.88
400	22.04	25.27	18.65	25.17	1.05	0.54	31.77	18.19	0.93
450	21.96	25.43	17.97	23.66	1.06	0.57	31.38	17.89	0.90
500	21.84	25.54	17.24	21.50	1.06	0.60	31.16	17.77	0.90
550	21.64	25.74	16.45	18.97	1.07	0.64	30.52	17.58	0.87
600	21.18	26.21	14.30	18.21	1.10	0.73	29.89	17.36	0.90
650	21.43	25.98	14.28	19.30	1.08	0.69	30.01	17.60	0.91
700	21.37	26.07	14.22	17.00	1.08	0.70	29.88	17.43	0.91
750	21.22	26.16	13.83	15.40	1.08	0.72	29.46	17.42	0.91
800	21.03	26.35	13.35	14.12	1.09	0.74	29.14	17.29	1.00
850	20.80	26.59	12.75	12.99	1.10	0.77	28.88	17.01	0.91
900	20.52	26.81	12.08	11.94	1.11	0.79	28.11	16.74	0.96
950	20.17	27.14	11.29	10.93	1.13	0.82	28.18	16.76	1.04
1000	19.65	27.64	10.29	9.95	1.17	0.87	27.68	16.57	1.00
1050	18.78	28.46	8.89	9.12	1.25	0.94	26.50	15.76	1.03
1100	17.68	29.57	7.18	9.60	1.41	1.06	25.58	14.49	1.10
1150	18.15	29.04	6.60	12.65	1.33	1.13	26.76	15.59	1.12
1200	18.50	28.56	6.58	12.73	1.23	1.12	26.93	16.12	1.24

## 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 = 3.00V, Id = 69mA @ 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)
1	23.87	28.94	9.51	10.74	1.09	0.61	31.32	14.79	-
3	24.22	28.23	12.06	20.46	1.08	0.63	31.60	14.89	-
5	24.19	28.10	12.55	25.16	1.07	0.63	31.75	14.97	-
7	24.12	27.75	12.88	27.48	1.05	0.61	31.90	15.08	-
9	24.02	27.53	13.18	27.02	1.04	0.60	32.05	15.21	-
10	23.97	27.37	13.35	26.21	1.04	0.59	32.12	15.27	0.70
20	23.46	26.39	15.17	21.62	1.02	0.53	32.97	16.09	0.81
30	23.10	25.76	16.50	20.32	1.02	0.49	33.54	17.46	0.75
40	22.89	25.52	17.46	19.70	1.02	0.47	33.79	18.45	0.76
50	22.77	25.41	17.91	19.53	1.01	0.46	33.98	18.83	0.83
60	22.67	25.19	18.62	19.23	1.03	0.44	34.08	18.99	0.78
70	22.62	25.20	18.96	19.26	1.03	0.45	34.14	19.03	0.82
80	22.58	25.22	19.25	19.23	1.03	0.45	34.21	19.02	0.91
90	22.56	25.12	19.47	19.34	1.03	0.44	34.23	19.16	0.93
100	22.54	25.15	19.61	19.41	1.03	0.45	34.25	19.14	0.88
150	22.47	25.14	20.20	20.04	1.04	0.45	33.71	19.14	0.92
200	22.43	25.14	20.34	20.78	1.04	0.46	34.26	19.15	0.92
250	22.40	25.25	20.32	21.81	1.04	0.48	34.83	19.24	0.87
300	22.36	25.27	20.06	22.86	1.05	0.49	33.24	19.30	0.85
350	22.31	25.35	19.65	23.92	1.05	0.51	32.99	19.25	0.85
400	22.25	25.44	19.35	24.81	1.05	0.53	33.61	19.22	0.90
450	22.17	25.54	18.89	24.16	1.06	0.56	32.66	18.91	0.87
500	22.07	25.66	18.32	22.39	1.06	0.58	32.69	18.70	0.89
550	21.88	25.82	17.62	19.80	1.07	0.62	32.13	18.65	0.86
600	21.43	26.27	15.27	18.81	1.10	0.71	31.44	18.45	0.89
650	21.69	26.04	15.23	20.38	1.08	0.67	31.45	18.68	0.91
700	21.64	26.12	15.19	17.97	1.08	0.68	31.27	18.52	0.93
750	21.50	26.27	14.81	16.23	1.09	0.70	30.70	18.40	0.89
800	21.32	26.40	14.33	14.82	1.09	0.72	30.52	18.54	0.96
850	21.11	26.58	13.73	13.57	1.10	0.74	30.21	18.31	0.91
900	20.85	26.87	13.05	12.45	1.12	0.77	29.39	18.06	1.00
950	20.51	27.22	12.19	11.38	1.14	0.80	29.58	18.08	0.98
1000	20.00	27.73	11.08	10.33	1.18	0.85	29.31	17.77	1.00
1050	19.14	28.52	9.52	9.44	1.26	0.92	28.13	17.11	1.01
1100	18.05	29.59	7.64	9.87	1.41	1.05	27.22	15.88	1.08
1150	18.53	29.06	7.02	13.06	1.33	1.11	28.19	16.95	1.14
1200	18.90	28.70	7.01	13.26	1.25	1.10	28.42	17.38	1.18



## 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 = 3.25V, Id = 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)			(dBm)	(dBm)	(dB)
1	24.07	28.85	9.69	10.80	1.08	0.59	32.97	15.98	-
3	24.40	28.47	12.39	20.86	1.08	0.63	33.24	16.07	-
5	24.38	27.97	12.91	26.39	1.06	0.60	33.39	16.10	-
7	24.30	27.86	13.23	28.70	1.05	0.60	33.54	16.22	-
9	24.20	27.65	13.49	27.60	1.04	0.59	33.69	16.43	-
10	24.15	27.44	13.69	26.58	1.04	0.58	33.77	16.49	0.68
20	23.59	26.31	15.28	21.46	1.01	0.51	34.60	17.15	0.82
30	23.22	25.96	16.53	19.81	1.02	0.49	35.12	18.52	0.72
40	23.01	25.59	17.36	19.30	1.02	0.46	35.33	19.48	0.72
50	22.89	25.77	17.74	18.86	1.03	0.44	35.50	19.82	0.85
60	22.79	25.37	18.37	18.75	1.03	0.45	35.60	19.88	0.82
70	22.74	25.27	18.70	18.77	1.03	0.44	35.65	19.90	0.81
80	22.69	25.27	18.92	18.77	1.03	0.44	35.68	19.97	0.88
90	22.68	25.27	19.14	18.83	1.03	0.44	35.68	20.02	0.92
100	22.66	25.21	19.28	18.93	1.03	0.44	35.70	20.00	0.90
150	22.59	25.24	19.87	19.49	1.04	0.45	35.45	19.99	0.92
200	22.55	25.25	20.13	20.19	1.04	0.46	35.27	20.10	0.94
250	22.52	25.21	20.29	21.22	1.04	0.46	35.40	20.12	0.88
300	22.49	25.33	20.22	22.29	1.04	0.48	35.44	20.26	0.85
350	22.45	25.35	19.99	23.57	1.05	0.49	33.76	20.23	0.89
400	22.39	25.49	19.93	24.86	1.05	0.52	34.20	20.10	0.91
450	22.33	25.57	19.67	24.86	1.06	0.54	33.83	19.79	0.91
500	22.23	25.70	19.25	23.44	1.06	0.57	33.34	19.70	0.91
550	22.05	25.94	18.66	20.69	1.07	0.61	32.98	19.68	0.87
600	21.61	26.34	16.11	19.46	1.10	0.69	32.08	19.49	0.93
650	21.87	26.12	16.05	21.59	1.08	0.66	32.18	19.59	0.92
700	21.84	26.18	16.12	18.95	1.08	0.66	32.11	19.45	0.92
750	21.71	26.33	15.74	17.01	1.09	0.68	31.61	19.33	0.95
800	21.54	26.43	15.25	15.48	1.09	0.70	31.28	19.49	0.96
850	21.34	26.65	14.63	14.13	1.10	0.72	31.38	19.41	0.92
900	21.09	26.92	13.91	12.92	1.12	0.75	30.68	19.18	0.87
950	20.76	27.26	12.98	11.78	1.14	0.79	30.70	19.08	0.87
1000	20.27	27.72	11.79	10.67	1.18	0.83	30.52	18.92	0.91
1050	19.42	28.59	10.10	9.72	1.27	0.90	29.55	18.27	1.01
1100	18.32	29.67	8.08	10.16	1.43	1.03	28.47	17.06	1.04
1150	18.81	29.18	7.41	13.57	1.35	1.09	29.43	17.97	1.11
1200	19.21	28.78	7.40	13.83	1.27	1.08	29.44	18.55	1.19

## 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 = 129mA @ 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)
1	24.66	28.89	10.27	10.91	1.06	0.53	37.08	20.22	-
3	24.99	28.43	13.53	21.51	1.06	0.56	37.42	20.30	-
5	24.95	28.27	14.09	27.87	1.05	0.56	37.66	20.33	-
7	24.87	28.06	14.43	30.09	1.04	0.56	37.85	20.42	-
9	24.75	27.62	14.61	27.40	1.03	0.52	38.08	20.65	-
10	24.70	27.66	14.75	25.95	1.03	0.53	38.18	20.69	0.85
20	24.10	26.69	15.83	20.16	1.01	0.48	39.45	21.66	0.84
30	23.70	26.09	16.39	18.52	1.01	0.44	40.38	22.77	0.79
40	23.47	25.94	16.83	18.01	1.02	0.44	40.72	23.40	0.77
50	23.35	25.93	16.78	17.66	1.01	0.43	40.90	23.58	0.83
60	23.24	25.63	17.20	17.48	1.02	0.41	40.95	23.60	0.81
70	23.19	25.55	17.40	17.49	1.02	0.40	41.03	23.52	0.81
80	23.14	25.58	17.54	17.46	1.03	0.41	41.07	23.55	0.90
90	23.13	25.54	17.66	17.53	1.03	0.41	41.12	23.72	0.93
100	23.11	25.61	17.74	17.56	1.03	0.42	40.99	23.59	0.89
150	23.05	25.51	18.28	18.08	1.03	0.41	39.30	23.58	0.93
200	23.02	25.54	18.75	18.68	1.04	0.42	37.04	23.73	0.93
250	23.00	25.57	19.15	19.59	1.04	0.43	37.72	23.86	0.84
300	22.98	25.59	19.67	20.64	1.04	0.44	39.36	23.95	0.86
350	22.96	25.68	20.11	22.11	1.04	0.46	37.35	23.95	0.87
400	22.93	25.70	20.83	24.37	1.05	0.47	39.60	23.91	0.94
450	22.90	25.82	21.56	27.34	1.05	0.49	38.04	23.62	0.90
500	22.83	25.90	22.30	31.09	1.06	0.51	36.71	23.46	0.91
550	22.69	26.11	22.98	28.15	1.07	0.55	37.07	23.63	0.87
600	22.26	26.52	19.74	24.69	1.11	0.64	37.62	23.46	0.91
650	22.55	26.33	19.47	33.41	1.08	0.59	36.78	23.54	0.91
700	22.56	26.39	20.00	25.18	1.08	0.60	36.95	23.32	0.94
750	22.48	26.52	19.97	21.34	1.09	0.61	35.70	23.09	0.92
800	22.35	26.70	19.56	18.79	1.10	0.64	36.02	23.29	0.97
850	22.18	26.88	18.88	16.77	1.11	0.66	36.59	23.47	0.93
900	21.97	27.11	17.92	15.07	1.13	0.69	36.32	23.37	0.91
950	21.68	27.46	16.64	13.52	1.16	0.72	36.25	23.27	0.97
1000	21.21	27.99	14.91	12.11	1.21	0.77	35.90	23.44	0.98
1050	20.33	28.93	12.52	11.01	1.32	0.86	35.27	22.86	1.00
1100	19.18	30.09	9.87	11.83	1.54	0.99	35.66	21.94	1.07
1150	19.72	29.65	8.98	17.12	1.45	1.03	35.18	22.18	1.12
1200	20.22	29.20	8.96	16.75	1.34	1.01	35.35	22.89	1.20

## 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 = 138mA @ 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)
1	24.72	28.94	10.32	10.89	1.07	0.53	37.93	20.81	-
3	25.05	28.55	13.64	21.45	1.06	0.57	38.25	20.89	-
5	25.02	28.25	14.23	27.95	1.05	0.55	38.48	20.89	-
7	24.93	28.02	14.55	29.82	1.04	0.54	38.66	21.00	-
9	24.81	27.85	14.74	27.25	1.03	0.54	38.92	21.22	-
10	24.76	27.66	14.89	25.82	1.02	0.53	39.04	21.27	0.85
20	24.16	26.68	15.85	20.03	1.01	0.48	40.38	22.28	0.84
30	23.76	26.07	16.37	18.51	1.01	0.43	41.41	23.32	0.79
40	23.52	25.97	16.78	17.97	1.02	0.43	41.78	23.94	0.77
50	23.40	25.78	17.02	17.53	1.02	0.41	41.90	24.04	0.83
60	23.29	25.63	17.11	17.45	1.02	0.40	42.07	24.05	0.81
70	23.24	25.66	17.27	17.45	1.03	0.41	42.00	23.97	0.81
80	23.19	25.60	17.39	17.42	1.03	0.41	42.14	24.00	0.90
90	23.17	25.67	17.54	17.47	1.03	0.42	42.08	24.17	0.93
100	23.15	25.61	17.64	17.55	1.03	0.41	42.02	24.05	0.89
150	23.10	25.57	18.11	18.04	1.03	0.41	42.48	24.11	0.93
200	23.07	25.56	18.58	18.64	1.04	0.42	43.20	24.19	0.93
250	23.05	25.53	19.09	19.55	1.04	0.42	36.78	24.32	0.84
300	23.03	25.62	19.53	20.57	1.04	0.44	42.43	24.50	0.86
350	23.02	25.68	20.02	22.07	1.04	0.45	39.01	24.50	0.87
400	22.99	25.77	20.77	24.30	1.05	0.47	36.62	24.47	0.94
450	22.95	25.87	21.55	27.64	1.05	0.49	38.61	24.09	0.90
500	22.89	25.96	22.43	33.37	1.06	0.51	39.61	24.03	0.91
550	22.75	26.12	23.30	30.81	1.07	0.55	39.88	24.22	0.87
600	22.32	26.58	20.06	26.30	1.11	0.64	39.18	24.05	0.91
650	22.61	26.38	19.74	37.30	1.09	0.59	37.65	24.13	0.91
700	22.63	26.35	20.37	25.77	1.08	0.59	37.60	23.92	0.94
750	22.55	26.53	20.37	21.73	1.09	0.61	37.03	23.69	0.92
800	22.42	26.68	19.98	19.04	1.10	0.63	37.87	23.90	0.97
850	22.26	26.88	19.26	16.95	1.11	0.65	37.32	24.08	0.93
900	22.05	27.19	18.31	15.20	1.13	0.68	36.60	23.99	0.91
950	21.76	27.51	16.95	13.62	1.16	0.72	38.16	23.88	0.97
1000	21.28	28.06	15.15	12.20	1.21	0.77	37.63	24.06	0.98
1050	20.40	28.96	12.70	11.15	1.33	0.85	37.01	23.59	1.00
1100	19.23	30.21	10.02	12.12	1.57	0.99	36.87	22.67	1.07
1150	19.78	29.75	9.10	17.94	1.47	1.03	36.80	22.89	1.12
1200	20.29	29.24	9.08	16.95	1.34	1.00	36.30	23.51	1.20

## 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 = 146mA @ 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)
1	24.78	28.84	10.35	10.88	1.06	0.51	38.78	21.35	-
3	25.11	28.68	13.78	21.46	1.07	0.57	39.19	21.42	-
5	25.07	28.31	14.37	27.80	1.05	0.55	39.45	21.41	-
7	24.98	28.01	14.71	29.59	1.04	0.53	39.68	21.24	-
9	24.87	27.83	14.87	27.03	1.03	0.53	39.91	21.49	-
10	24.81	27.66	14.99	25.68	1.02	0.52	40.03	21.54	0.86
20	24.20	26.87	15.93	19.85	1.01	0.49	41.32	22.82	0.85
30	23.80	26.14	16.39	18.40	1.01	0.43	42.34	23.72	0.77
40	23.56	26.02	16.67	17.80	1.02	0.43	42.84	24.35	0.76
50	23.43	25.94	16.96	17.64	1.01	0.42	42.93	24.53	0.86
60	23.33	25.71	17.00	17.34	1.02	0.41	43.04	24.46	0.80
70	23.27	25.70	17.15	17.34	1.03	0.41	43.10	24.38	0.82
80	23.23	25.70	17.24	17.32	1.03	0.42	43.19	24.49	0.89
90	23.21	25.55	17.41	17.41	1.03	0.40	43.08	24.58	0.93
100	23.19	25.65	17.49	17.43	1.03	0.41	43.12	24.53	0.92
150	23.13	25.55	17.95	17.92	1.03	0.41	42.53	24.52	0.94
200	23.10	25.59	18.43	18.51	1.04	0.42	41.34	24.68	0.91
250	23.09	25.68	18.85	19.35	1.04	0.43	40.03	24.82	0.87
300	23.07	25.68	19.34	20.37	1.04	0.44	40.82	24.92	0.85
350	23.05	25.78	19.88	21.84	1.05	0.46	38.00	24.93	0.85
400	23.03	25.77	20.65	24.02	1.05	0.47	38.14	24.89	0.92
450	22.99	25.87	21.44	27.30	1.05	0.49	41.00	24.60	0.88
500	22.93	25.97	22.38	33.51	1.06	0.51	40.01	24.46	0.87
550	22.79	26.17	23.40	32.31	1.07	0.55	39.41	24.66	0.87
600	22.37	26.60	20.20	26.97	1.11	0.63	40.41	24.49	0.90
650	22.66	26.43	19.85	39.21	1.09	0.59	39.58	24.67	0.93
700	22.68	26.41	20.47	26.22	1.08	0.59	39.78	24.47	0.91
750	22.60	26.60	20.52	21.98	1.09	0.61	38.23	24.24	0.89
800	22.47	26.74	20.18	19.24	1.10	0.63	39.46	24.45	0.97
850	22.31	26.89	19.49	17.10	1.11	0.65	39.05	24.65	0.90
900	22.10	27.15	18.47	15.33	1.13	0.68	39.07	24.44	0.94
950	21.81	27.57	17.11	13.73	1.16	0.72	38.42	24.34	1.01
1000	21.33	28.08	15.28	12.29	1.21	0.77	39.94	24.62	0.98
1050	20.44	29.01	12.79	11.25	1.34	0.85	39.26	24.05	1.02
1100	19.27	30.26	10.09	12.30	1.58	0.99	39.82	23.25	1.08
1150	19.82	29.77	9.17	18.38	1.48	1.03	38.25	23.34	1.10
1200	20.34	29.30	9.14	17.09	1.35	1.00	38.26	24.07	1.21

## 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 = 2.75V, Id = 64mA @ Temperature = +105°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)
1	23.43	28.64	9.29	10.93	1.10	0.63	29.42	13.91	-
3	23.74	27.99	11.44	19.80	1.08	0.65	29.63	13.75	-
5	23.72	27.92	11.86	23.10	1.08	0.66	29.78	14.06	-
7	23.65	27.62	12.19	24.63	1.07	0.64	29.94	14.00	-
9	23.55	27.34	12.49	24.81	1.05	0.63	30.12	14.14	-
10	23.51	27.17	12.69	24.57	1.05	0.62	30.21	14.19	1.20
20	22.99	26.05	14.58	22.80	1.02	0.55	31.13	14.95	1.33
30	22.64	25.50	16.25	21.65	1.02	0.52	31.80	16.22	1.27
40	22.43	25.21	17.49	21.23	1.03	0.49	32.15	17.19	1.27
50	22.32	25.13	18.55	21.16	1.02	0.48	32.40	17.58	1.35
60	22.22	24.94	19.12	20.83	1.03	0.47	32.54	17.75	1.33
70	22.17	24.91	19.56	20.83	1.04	0.47	32.67	17.90	1.37
80	22.12	24.95	19.81	20.82	1.04	0.48	32.75	17.91	1.45
90	22.10	24.83	20.11	20.96	1.04	0.47	32.80	18.05	1.38
100	22.08	24.85	20.20	21.01	1.04	0.47	32.86	17.95	1.41
150	22.00	24.82	20.47	21.64	1.04	0.48	33.67	18.02	1.44
200	21.95	24.92	20.10	22.57	1.05	0.50	33.73	18.16	1.42
250	21.90	25.03	19.49	24.11	1.05	0.52	32.92	18.25	1.40
300	21.84	25.08	18.72	25.60	1.06	0.54	32.46	18.31	1.42
350	21.77	25.16	17.89	26.39	1.06	0.56	32.06	18.36	1.44
400	21.67	25.23	17.10	25.66	1.06	0.59	31.56	18.22	1.46
450	21.56	25.39	16.25	23.29	1.07	0.62	31.53	18.03	1.46
500	21.40	25.58	15.42	20.78	1.08	0.65	31.52	17.89	1.46
550	21.14	25.84	14.39	18.67	1.09	0.70	30.62	17.98	1.46
600	20.89	26.09	13.06	18.92	1.11	0.76	30.38	17.94	1.49
650	20.94	26.06	12.88	17.77	1.10	0.75	30.43	17.97	1.51
700	20.82	26.12	12.58	15.88	1.10	0.76	30.08	17.90	1.52
750	20.62	26.30	12.11	14.45	1.10	0.78	29.67	17.74	1.53
800	20.38	26.53	11.63	13.27	1.12	0.80	29.42	17.85	1.55
850	20.09	26.75	11.06	12.26	1.13	0.83	29.20	17.85	1.55
900	19.75	27.07	10.42	11.34	1.15	0.86	28.49	17.69	1.58
950	19.31	27.48	9.66	10.54	1.18	0.90	28.49	17.48	1.60
1000	18.72	28.03	8.73	9.88	1.24	0.95	28.06	17.13	1.68
1050	17.94	28.72	7.63	9.72	1.32	1.02	27.20	16.58	1.76
1100	17.46	29.16	6.67	10.65	1.39	1.11	26.81	16.40	1.85
1150	17.54	28.96	6.24	11.64	1.34	1.14	27.42	16.61	1.91
1200	17.44	29.05	5.86	11.16	1.32	1.16	27.16	16.84	2.03

## 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 = 3.00V, Id = 73mA @ Temperature = +105°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)
1	23.63	28.64	9.50	11.06	1.09	0.62	30.85	14.77	-
3	23.94	28.25	11.77	20.46	1.09	0.66	31.09	14.91	-
5	23.91	27.79	12.19	24.32	1.07	0.63	31.24	14.92	-
7	23.84	27.63	12.52	26.01	1.06	0.63	31.40	15.03	-
9	23.74	27.35	12.80	25.94	1.05	0.61	31.59	15.29	-
10	23.70	27.25	13.00	25.55	1.04	0.61	31.66	15.33	1.21
20	23.16	26.29	14.79	22.18	1.02	0.56	32.56	16.02	1.34
30	22.81	25.58	16.39	21.02	1.02	0.50	33.21	17.37	1.28
40	22.60	25.34	17.47	20.49	1.03	0.49	33.53	18.23	1.27
50	22.48	25.18	18.02	20.37	1.03	0.47	33.76	18.59	1.35
60	22.38	25.12	18.81	19.95	1.03	0.47	33.91	18.75	1.34
70	22.32	25.07	19.23	19.92	1.04	0.47	34.02	18.79	1.38
80	22.28	25.03	19.46	19.88	1.04	0.47	34.10	18.87	1.49
90	22.26	24.96	19.68	19.99	1.04	0.46	34.16	18.93	1.38
100	22.23	24.97	19.79	20.05	1.04	0.46	34.21	18.91	1.44
150	22.16	25.01	20.13	20.55	1.04	0.48	34.52	18.98	1.48
200	22.10	25.04	19.94	21.38	1.05	0.49	34.68	19.03	1.44
250	22.06	25.18	19.58	22.72	1.05	0.52	34.89	19.13	1.39
300	22.01	25.15	19.04	24.29	1.05	0.53	33.78	19.29	1.45
350	21.94	25.28	18.37	25.57	1.06	0.55	33.32	19.25	1.45
400	21.86	25.40	17.73	25.98	1.06	0.58	32.73	19.21	1.48
450	21.75	25.50	16.99	24.19	1.07	0.61	33.02	18.93	1.47
500	21.60	25.64	16.19	21.77	1.07	0.64	32.84	18.80	1.45
550	21.35	25.95	15.13	19.46	1.09	0.69	32.15	19.00	1.44
600	21.11	26.16	13.73	19.70	1.11	0.74	31.86	18.87	1.50
650	21.17	26.12	13.54	18.67	1.10	0.73	31.70	18.90	1.54
700	21.06	26.21	13.26	16.63	1.10	0.74	31.46	18.83	1.55
750	20.87	26.40	12.80	15.09	1.11	0.76	31.08	18.69	1.55
800	20.64	26.62	12.31	13.86	1.12	0.79	30.77	18.81	1.54
850	20.37	26.87	11.69	12.77	1.14	0.82	30.35	18.84	1.54
900	20.03	27.14	11.02	11.79	1.16	0.85	29.80	18.68	1.53
950	19.61	27.54	10.22	10.93	1.19	0.89	29.85	18.48	1.61
1000	19.03	28.08	9.22	10.24	1.24	0.94	29.53	18.27	1.67
1050	18.27	28.76	8.05	10.03	1.33	1.01	28.59	17.74	1.75
1100	17.79	29.24	7.02	10.96	1.39	1.09	28.24	17.45	1.84
1150	17.87	29.08	6.55	12.01	1.35	1.13	28.72	17.75	1.90
1200	17.78	29.11	6.15	11.57	1.32	1.14	28.58	17.89	2.03



## 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 = 3.25V, Id = 81mA @ Temperature = +105°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)
1	23.83	28.76	9.72	11.20	1.09	0.61	32.37	15.86	-
3	24.12	28.41	12.11	21.00	1.09	0.66	32.58	16.00	-
5	24.10	28.10	12.53	25.77	1.07	0.64	32.73	16.02	-
7	24.03	27.74	12.86	27.75	1.06	0.62	32.87	16.13	-
9	23.93	27.57	13.12	27.00	1.05	0.62	33.07	16.37	-
10	23.88	27.41	13.31	26.29	1.04	0.60	33.09	16.42	1.25
20	23.31	26.30	15.02	21.92	1.02	0.54	33.99	17.06	1.35
30	22.95	25.78	16.43	20.38	1.02	0.51	34.61	18.29	1.29
40	22.74	25.50	17.42	19.80	1.03	0.49	34.94	19.19	1.28
50	22.62	25.36	18.23	19.48	1.01	0.47	35.12	19.46	1.35
60	22.51	25.24	18.57	19.22	1.03	0.47	35.27	19.59	1.33
70	22.46	25.22	18.89	19.21	1.04	0.47	35.37	19.62	1.39
80	22.41	25.14	19.03	19.15	1.04	0.46	35.43	19.62	1.49
90	22.40	25.12	19.29	19.21	1.04	0.46	35.50	19.75	1.42
100	22.37	25.15	19.40	19.27	1.04	0.47	35.55	19.65	1.43
150	22.30	25.07	19.71	19.74	1.04	0.47	36.65	19.73	1.50
200	22.24	25.13	19.69	20.50	1.05	0.48	35.32	19.87	1.43
250	22.20	25.28	19.54	21.76	1.05	0.51	34.47	19.97	1.42
300	22.15	25.24	19.18	23.23	1.05	0.52	35.40	20.04	1.40
350	22.09	25.40	18.73	24.77	1.06	0.55	34.44	20.02	1.44
400	22.01	25.47	18.24	25.88	1.06	0.57	34.12	19.97	1.48
450	21.92	25.65	17.60	24.71	1.07	0.60	34.75	19.78	1.43
500	21.78	25.78	16.87	22.59	1.08	0.63	34.04	19.65	1.47
550	21.54	26.02	15.83	20.14	1.09	0.68	33.35	19.78	1.46
600	21.30	26.28	14.35	20.33	1.11	0.73	33.23	19.64	1.49
650	21.37	26.15	14.15	19.49	1.10	0.71	32.96	19.67	1.53
700	21.27	26.33	13.90	17.35	1.10	0.73	32.39	19.62	1.52
750	21.09	26.47	13.43	15.70	1.11	0.75	32.07	19.47	1.54
800	20.87	26.68	12.92	14.37	1.12	0.78	31.86	19.60	1.54
850	20.61	26.93	12.29	13.22	1.14	0.80	31.74	19.66	1.58
900	20.29	27.20	11.59	12.17	1.16	0.83	30.90	19.51	1.60
950	19.87	27.55	10.73	11.28	1.19	0.87	31.11	19.31	1.73
1000	19.30	28.10	9.68	10.53	1.24	0.92	30.79	19.12	1.69
1050	18.55	28.84	8.43	10.29	1.33	1.00	29.87	18.60	1.74
1100	18.07	29.23	7.33	11.24	1.39	1.08	29.50	18.31	1.82
1150	18.16	29.19	6.83	12.35	1.37	1.12	29.88	18.60	1.92
1200	18.08	29.20	6.42	11.94	1.34	1.13	29.94	18.76	2.01

## 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 = 4.75V, Id = 131mA @ Temperature = +105°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)
1	24.38	28.98	10.44	11.40	1.08	0.58	36.41	20.07	-
3	24.67	28.61	13.25	22.33	1.08	0.62	36.52	19.98	-
5	24.64	28.58	13.72	29.82	1.08	0.63	36.73	20.06	-
7	24.56	27.97	14.04	31.97	1.05	0.58	36.81	20.16	-
9	24.45	27.84	14.25	28.31	1.04	0.58	37.03	20.40	-
10	24.40	27.73	14.38	26.62	1.04	0.58	37.03	20.43	1.30
20	23.82	26.92	15.53	20.15	1.02	0.55	37.96	21.23	1.40
30	23.43	26.06	16.29	18.74	1.01	0.47	38.63	22.05	1.36
40	23.21	25.90	16.75	17.99	1.02	0.47	39.06	22.64	1.29
50	23.08	25.88	17.15	17.76	1.01	0.45	39.22	22.88	1.38
60	22.98	25.62	17.21	17.45	1.03	0.45	39.44	22.93	1.37
70	22.93	25.63	17.35	17.43	1.03	0.45	39.47	22.95	1.41
80	22.88	25.60	17.41	17.35	1.04	0.45	39.54	23.02	1.53
90	22.86	25.51	17.56	17.41	1.03	0.44	39.65	23.13	1.46
100	22.83	25.56	17.62	17.43	1.04	0.45	39.70	23.05	1.49
150	22.76	25.51	17.90	17.77	1.04	0.45	40.80	23.14	1.56
200	22.72	25.53	18.20	18.38	1.04	0.46	40.82	23.29	1.50
250	22.69	25.61	18.54	19.37	1.05	0.48	37.22	23.40	1.45
300	22.66	25.63	18.92	20.69	1.05	0.49	37.86	23.51	1.49
350	22.62	25.72	19.21	22.41	1.06	0.51	39.25	23.50	1.50
400	22.57	25.77	19.45	24.83	1.06	0.53	36.52	23.56	1.49
450	22.50	25.88	19.57	27.24	1.07	0.55	37.67	23.29	1.51
500	22.39	26.02	19.47	27.92	1.08	0.58	37.65	23.21	1.50
550	22.19	26.26	18.87	24.97	1.09	0.63	38.19	23.33	1.47
600	21.98	26.51	16.98	25.43	1.11	0.67	37.98	23.21	1.51
650	22.07	26.44	16.87	25.25	1.10	0.66	37.51	23.27	1.53
700	22.02	26.57	16.79	21.60	1.11	0.67	37.28	23.14	1.56
750	21.88	26.68	16.36	19.00	1.11	0.69	36.23	23.00	1.56
800	21.70	26.89	15.84	17.04	1.13	0.72	36.54	23.02	1.61
850	21.48	27.14	15.09	15.43	1.15	0.75	36.30	22.99	1.62
900	21.20	27.46	14.23	14.03	1.17	0.78	35.73	22.84	1.62
950	20.82	27.87	13.13	12.86	1.21	0.82	35.78	22.69	1.61
1000	20.27	28.43	11.77	11.91	1.28	0.87	35.29	22.60	1.65
1050	19.52	29.17	10.15	11.66	1.38	0.95	34.94	22.11	1.76
1100	19.05	29.60	8.76	12.87	1.46	1.03	34.42	21.73	1.85
1150	19.17	29.46	8.11	14.38	1.41	1.06	34.75	22.02	1.97
1200	19.16	29.55	7.62	13.69	1.39	1.07	35.21	22.24	2.07

## 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 = 138mA @ Temperature = +105°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)
1	24.43	29.07	10.50	11.40	1.08	0.58	36.58	20.31	-
3	24.72	28.51	13.41	22.38	1.07	0.60	36.72	20.52	-
5	24.69	28.43	13.87	29.90	1.07	0.61	36.91	20.52	-
7	24.61	28.30	14.21	32.02	1.06	0.61	37.02	20.62	-
9	24.50	27.90	14.40	28.30	1.04	0.58	37.26	20.85	-
10	24.45	27.72	14.54	26.51	1.04	0.57	37.34	20.90	1.30
20	23.86	26.67	15.54	20.27	1.01	0.51	38.17	21.69	1.38
30	23.48	26.18	16.26	18.63	1.02	0.48	38.93	22.48	1.28
40	23.25	25.96	16.65	17.96	1.02	0.47	39.31	23.12	1.33
50	23.13	25.83	16.83	17.50	1.03	0.46	39.59	23.30	1.38
60	23.02	25.71	17.04	17.35	1.03	0.45	39.73	23.35	1.40
70	22.97	25.67	17.19	17.29	1.03	0.45	39.81	23.37	1.40
80	22.92	25.63	17.21	17.28	1.04	0.45	39.96	23.43	1.50
90	22.90	25.60	17.34	17.29	1.04	0.44	40.02	23.55	1.44
100	22.88	25.57	17.41	17.33	1.04	0.44	40.12	23.46	1.46
150	22.81	25.60	17.72	17.64	1.04	0.45	39.96	23.56	1.51
200	22.76	25.61	18.01	18.24	1.05	0.46	39.57	23.71	1.47
250	22.74	25.57	18.36	19.27	1.05	0.47	38.03	23.82	1.44
300	22.71	25.73	18.77	20.53	1.05	0.50	40.85	23.93	1.48
350	22.67	25.76	19.10	22.35	1.06	0.51	37.30	23.92	1.49
400	22.62	25.86	19.48	24.73	1.06	0.53	37.42	23.89	1.53
450	22.56	25.90	19.68	27.49	1.07	0.55	39.62	23.70	1.48
500	22.45	26.03	19.71	28.87	1.07	0.57	39.90	23.64	1.50
550	22.25	26.27	19.14	25.88	1.09	0.62	37.79	23.74	1.47
600	22.04	26.55	17.25	26.47	1.11	0.67	38.76	23.63	1.55
650	22.14	26.51	17.12	26.36	1.11	0.66	37.40	23.70	1.54
700	22.09	26.58	17.07	22.18	1.11	0.67	37.50	23.56	1.57
750	21.96	26.71	16.69	19.43	1.12	0.69	36.54	23.32	1.57
800	21.78	26.92	16.17	17.36	1.13	0.71	36.00	23.45	1.58
850	21.56	27.23	15.41	15.69	1.15	0.74	36.76	23.41	1.64
900	21.28	27.49	14.52	14.24	1.18	0.77	36.29	23.15	1.62
950	20.90	27.90	13.41	13.03	1.21	0.82	36.06	23.12	1.75
1000	20.36	28.44	12.00	12.08	1.28	0.87	36.07	22.91	1.72
1050	19.61	29.19	10.34	11.82	1.39	0.95	35.46	22.41	1.77
1100	19.14	29.72	8.92	13.11	1.48	1.03	35.11	22.14	1.87
1150	19.26	29.58	8.25	14.67	1.43	1.06	35.39	22.44	1.93
1200	19.25	29.65	7.74	13.88	1.41	1.07	35.15	22.56	2.00

## 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 = 146mA @ Temperature = +105°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)
1	24.47	29.23	10.60	11.38	1.09	0.59	36.57	20.46	-
3	24.76	28.71	13.58	22.46	1.08	0.62	36.85	20.61	-
5	24.73	28.44	14.04	29.86	1.07	0.60	37.13	20.61	-
7	24.65	28.13	14.37	31.83	1.05	0.59	37.21	20.78	-
9	24.54	27.91	14.53	28.12	1.04	0.58	37.41	20.90	-
10	24.49	27.74	14.67	26.41	1.04	0.57	37.51	20.95	1.29
20	23.90	26.73	15.68	20.18	1.02	0.51	38.40	22.20	1.41
30	23.52	26.26	16.18	18.49	1.02	0.49	39.13	22.95	1.33
40	23.29	25.99	16.58	17.93	1.02	0.47	39.58	23.51	1.30
50	23.16	25.85	16.96	17.45	1.03	0.45	39.78	23.67	1.42
60	23.06	25.73	16.92	17.31	1.03	0.45	39.98	23.79	1.41
70	23.00	25.70	17.01	17.27	1.03	0.45	40.13	23.74	1.42
80	22.96	25.56	17.05	17.24	1.03	0.43	40.28	23.81	1.52
90	22.94	25.65	17.19	17.24	1.04	0.45	40.34	23.92	1.44
100	22.91	25.61	17.27	17.29	1.04	0.44	40.40	23.84	1.50
150	22.84	25.61	17.51	17.62	1.04	0.45	40.47	23.94	1.52
200	22.80	25.64	17.84	18.20	1.05	0.46	37.40	24.08	1.47
250	22.77	25.58	18.21	19.20	1.04	0.46	39.53	24.19	1.46
300	22.75	25.70	18.67	20.47	1.05	0.49	40.77	24.31	1.45
350	22.71	25.71	19.06	22.30	1.05	0.50	35.84	24.37	1.49
400	22.67	25.87	19.46	24.83	1.06	0.53	40.05	24.35	1.51
450	22.60	25.96	19.76	27.96	1.07	0.55	40.32	24.09	1.49
500	22.50	26.10	19.84	30.37	1.08	0.57	37.80	24.03	1.51
550	22.30	26.32	19.44	27.22	1.09	0.62	38.51	24.12	1.51
600	22.10	26.56	17.52	27.86	1.11	0.66	38.67	24.01	1.53
650	22.20	26.52	17.39	27.63	1.11	0.65	38.69	24.08	1.56
700	22.15	26.55	17.36	22.76	1.10	0.66	37.52	23.95	1.58
750	22.03	26.73	16.98	19.82	1.12	0.68	37.84	23.71	1.56
800	21.85	26.97	16.48	17.63	1.13	0.71	36.79	23.84	1.56
850	21.64	27.21	15.71	15.92	1.15	0.74	37.41	23.78	1.67
900	21.36	27.53	14.79	14.44	1.18	0.77	36.37	23.52	1.61
950	20.98	27.96	13.64	13.17	1.22	0.81	37.21	23.49	1.64
1000	20.44	28.51	12.19	12.23	1.28	0.87	36.50	23.27	1.71
1050	19.68	29.26	10.50	12.01	1.40	0.95	35.66	22.77	1.79
1100	19.21	29.83	9.05	13.39	1.50	1.03	36.12	22.40	1.87
1150	19.34	29.67	8.36	14.98	1.45	1.05	35.95	22.71	1.96
1200	19.33	29.70	7.85	14.04	1.42	1.06	35.94	22.94	2.06