Typical Performance Data

Definitions:
Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)
TEST CONDITIONS: V_{DD} = +7 V, I_{DD} = 82.77mA @ 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)
1.0	14.20	-25.55	-2.95	-4.49	1.13	0.68	--	18.97	--
3.0	15.70	-21.15	-9.96	-14.89	1.14	0.72	40.14	21.21	--
5.0	15.64	-20.71	-13.75	-19.69	1.15	0.70	40.80	21.42	--
10.0	15.52	-20.67	-18.02	-24.29	1.17	0.69	40.55	21.32	3.51
20.0	15.53	-20.60	-20.24	-27.59	1.17	0.69	41.80	21.35	3.12
30.0	15.52	-20.59	-20.98	-28.56	1.17	0.69	42.52	21.39	2.97
40.0	15.52	-20.60	-21.30	-28.84	1.17	0.69	43.18	21.58	2.93
50.0	15.51	-20.61	-21.38	-28.90	1.17	0.69	43.90	21.62	2.88
60.0	15.50	-20.60	-21.37	-28.59	1.17	0.69	42.52	21.66	2.80
70.0	15.50	-20.60	-21.45	-28.39	1.17	0.69	40.91	21.68	2.82
80.0	15.49	-20.61	-21.53	-28.22	1.17	0.69	40.12	21.78	2.76
90.0	15.48	-20.61	-21.63	-27.91	1.17	0.70	40.01	21.79	2.73
100.0	15.48	-20.61	-21.69	-27.64	1.17	0.70	39.72	21.77	2.70
110.0	15.47	-20.61	-21.58	-27.23	1.18	0.70	38.91	21.75	2.74
120.0	15.47	-20.61	-21.57	-26.92	1.17	0.70	38.68	21.78	2.76
130.0	15.46	-20.62	-21.57	-26.40	1.17	0.69	38.63	21.79	2.70
140.0	15.45	-20.62	-21.53	-25.98	1.17	0.70	39.60	21.72	2.70
150.0	15.43	-20.61	-21.55	-25.58	1.18	0.70	40.22	21.62	2.71
160.0	15.42	-20.63	-21.55	-25.13	1.18	0.70	41.00	21.63	2.71
170.0	15.42	-20.64	-21.61	-24.70	1.18	0.70	41.73	21.63	2.75
180.0	15.41	-20.64	-21.51	-24.26	1.18	0.70	41.02	21.64	2.74
190.0	15.40	-20.64	-21.47	-23.73	1.18	0.70	40.99	21.64	2.72
200.0	15.39	-20.65	-21.48	-23.25	1.18	0.70	40.63	21.65	2.66
250.0	15.33	-20.70	-21.21	-20.84	1.18	0.71	41.24	21.58	2.72
300.0	15.25	-20.78	-20.90	-18.49	1.19	0.71	42.62	21.52	2.68
350.0	15.15	-20.86	-20.08	-16.26	1.19	0.71	43.32	21.40	2.75
400.0	15.03	-20.98	-19.24	-14.24	1.20	0.71	41.39	21.26	2.78
450.0	14.87	-21.14	-18.07	-12.38	1.21	0.71	38.90	21.10	2.76
500.0	14.66	-21.33	-16.80	-10.69	1.22	0.70	38.56	21.05	2.74
550.0	14.39	-21.59	-15.51	-9.15	1.23	0.69	37.34	20.83	2.74
600.0	14.05	-21.91	-14.12	-7.78	1.23	0.67	35.54	20.68	2.81
650.0	13.61	-22.32	-12.86	-6.56	1.25	0.64	34.72	20.34	2.66
700.0	13.08	-22.84	-11.64	-5.53	1.27	0.62	33.53	19.89	2.68
750.0	12.45	-23.43	-10.75	-4.73	1.30	0.59	32.85	19.26	2.82
800.0	11.97	-23.87	-10.06	-4.13	1.32	0.56	31.91	18.64	2.77
850.0	11.36	-24.44	-9.17	-3.46	1.33	0.51	30.98	17.88	2.84
900.0	10.57	-25.20	-8.30	-2.89	1.36	0.47	29.66	16.87	2.65
950.0	9.65	-26.07	-7.55	-2.43	1.42	0.44	28.75	15.92	2.99
1000.0	8.63	-27.03	-6.90	-2.08	1.49	0.41	27.67	14.85	2.86

Typical Performance Data

Definitions:
Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)
TEST CONDITIONS: V_{DD} = +5 V, I_{DD} = 54.80mA @ 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)
1.0	13.79	-25.68	-2.98	-4.45	1.16	0.69	--	16.23	--
3.0	15.32	-20.91	-9.83	-14.51	1.14	0.73	34.16	18.49	--
5.0	15.28	-20.70	-13.41	-19.10	1.17	0.72	34.44	18.53	--
10.0	15.16	-20.50	-16.95	-23.45	1.18	0.71	31.87	18.51	3.36
20.0	15.17	-20.46	-19.11	-26.29	1.18	0.71	32.24	18.52	3.01
30.0	15.16	-20.46	-19.47	-26.98	1.18	0.71	34.60	18.57	2.93
40.0	15.16	-20.47	-19.48	-27.18	1.18	0.71	36.76	18.77	2.87
50.0	15.16	-20.47	-19.75	-27.21	1.19	0.71	39.99	18.79	2.87
60.0	15.14	-20.47	-19.71	-26.93	1.19	0.71	40.82	18.80	2.79
70.0	15.14	-20.47	-19.81	-26.74	1.18	0.71	38.76	18.80	2.81
80.0	15.13	-20.47	-19.82	-26.58	1.19	0.71	36.91	18.90	2.78
90.0	15.12	-20.47	-19.86	-26.29	1.19	0.71	36.09	18.90	2.72
100.0	15.12	-20.47	-19.93	-26.01	1.19	0.71	35.60	18.86	2.68
110.0	15.11	-20.48	-19.90	-25.64	1.19	0.71	34.37	18.85	2.72
120.0	15.10	-20.48	-19.80	-25.34	1.19	0.71	34.14	18.87	2.70
130.0	15.09	-20.49	-19.82	-24.89	1.19	0.71	34.35	18.86	2.73
140.0	15.08	-20.50	-19.77	-24.52	1.19	0.71	35.21	18.78	2.66
150.0	15.07	-20.49	-19.78	-24.17	1.19	0.72	36.42	18.67	2.67
160.0	15.06	-20.51	-19.67	-23.76	1.19	0.72	36.81	18.67	2.66
170.0	15.05	-20.51	-19.70	-23.38	1.19	0.72	37.37	18.66	2.76
180.0	15.04	-20.52	-19.65	-22.97	1.19	0.72	36.92	18.66	2.73
190.0	15.03	-20.53	-19.61	-22.50	1.20	0.72	36.03	18.66	2.72
200.0	15.02	-20.54	-19.58	-22.04	1.19	0.72	35.42	18.68	2.66
250.0	14.95	-20.60	-19.34	-19.81	1.20	0.72	37.15	18.56	2.68
300.0	14.87	-20.68	-19.02	-17.63	1.20	0.73	36.00	18.46	2.72
350.0	14.76	-20.77	-18.38	-15.51	1.21	0.73	36.89	18.32	2.80
400.0	14.62	-20.90	-17.68	-13.58	1.21	0.73	34.93	18.15	2.77
450.0	14.45	-21.08	-16.74	-11.81	1.22	0.72	33.30	17.96	2.75
500.0	14.23	-21.29	-15.67	-10.19	1.23	0.72	32.56	17.88	2.71
550.0	13.94	-21.56	-14.59	-8.72	1.24	0.70	31.57	17.63	2.71
600.0	13.58	-21.89	-13.39	-7.40	1.25	0.68	30.02	17.39	2.81
650.0	13.12	-22.32	-12.25	-6.25	1.26	0.65	29.12	16.93	2.59
700.0	12.57	-22.84	-11.18	-5.26	1.29	0.62	27.73	16.27	2.63
750.0	11.93	-23.43	-10.37	-4.52	1.31	0.59	26.88	15.50	2.85
800.0	11.45	-23.87	-9.72	-3.94	1.33	0.56	25.68	14.75	2.70
850.0	10.83	-24.44	-8.91	-3.31	1.34	0.51	24.54	13.93	2.80
900.0	10.03	-25.19	-8.05	-2.78	1.37	0.47	22.59	12.88	2.59
950.0	9.12	-26.03	-7.35	-2.34	1.41	0.43	21.37	11.92	2.88
1000.0	8.11	-26.97	-6.72	-2.01	1.46	0.40	20.01	10.80	2.89

Typical Performance Data

TEST CONDITIONS: V_{DD} = +5 V, I_{DD} = 54.80mA @ Temperature = +25°C

FREQ	IP-3 Output P_{OUT} = 0 dBm	IP-3 Output P_{OUT} = +1 dBm	IP-3 Output P_{OUT} = +2 dBm	IP-3 Output P_{OUT} = +3 dBm	IP-3 Output P_{OUT} = +4 dBm	IP-3 Output P_{OUT} = +5 dBm
(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
5.0	33.4	33.6	34.2	38.5	32.2	29.2
10.0	33.5	33.8	34.4	38.5	32.7	31.1
100.0	33.6	33.9	34.5	37.0	35.5	31.6
150.0	33.7	34.1	34.7	36.9	36.4	32.3
200.0	33.7	34.1	34.8	37.2	36.9	32.6
300.0	34.6	35.1	36.1	39.4	36.8	32.9

Typical Performance Data

Definitions:
Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)
TEST CONDITIONS: V_{DD} = +9 V, I_{DD} = 110.23mA @ 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)
1.0	14.34	-25.99	-2.91	-4.46	1.14	0.69	--	20.90	--
3.0	15.88	-21.08	-10.03	-15.03	1.12	0.70	42.48	23.18	--
5.0	15.81	-20.83	-13.88	-19.88	1.15	0.69	43.59	23.39	--
10.0	15.69	-20.72	-18.24	-24.51	1.16	0.68	44.26	23.30	3.75
20.0	15.69	-20.65	-20.99	-27.95	1.16	0.68	41.57	23.15	3.29
30.0	15.68	-20.64	-21.72	-28.94	1.17	0.69	43.35	23.39	3.12
40.0	15.68	-20.65	-22.08	-29.30	1.17	0.68	44.50	23.60	3.05
50.0	15.68	-20.65	-22.18	-29.39	1.16	0.68	44.60	23.65	2.99
60.0	15.67	-20.65	-22.25	-29.11	1.17	0.68	44.59	23.70	2.94
70.0	15.66	-20.66	-22.40	-28.96	1.16	0.68	43.74	23.73	2.93
80.0	15.66	-20.65	-22.45	-28.86	1.16	0.68	43.66	23.84	2.85
90.0	15.65	-20.64	-22.62	-28.57	1.17	0.69	43.41	23.85	2.81
100.0	15.64	-20.65	-22.60	-28.35	1.17	0.69	42.51	23.85	2.80
110.0	15.63	-20.65	-22.68	-27.95	1.17	0.68	41.22	23.84	2.82
120.0	15.63	-20.65	-22.69	-27.67	1.17	0.69	41.70	23.88	2.78
130.0	15.62	-20.66	-22.72	-27.17	1.17	0.69	41.35	23.89	2.83
140.0	15.62	-20.66	-22.81	-26.78	1.17	0.69	42.10	23.84	2.75
150.0	15.60	-20.66	-22.56	-26.42	1.17	0.69	42.44	23.76	2.80
160.0	15.59	-20.66	-22.66	-25.97	1.17	0.69	43.51	23.78	2.80
170.0	15.59	-20.67	-22.65	-25.57	1.17	0.69	44.38	23.77	2.88
180.0	15.58	-20.67	-22.60	-25.13	1.17	0.69	43.89	23.79	2.83
190.0	15.57	-20.68	-22.54	-24.59	1.17	0.69	43.33	23.79	2.80
200.0	15.56	-20.68	-22.55	-24.09	1.17	0.69	43.49	23.81	2.75
250.0	15.51	-20.72	-22.34	-21.62	1.18	0.70	43.60	23.78	2.80
300.0	15.43	-20.79	-21.97	-19.20	1.18	0.70	46.32	23.75	2.79
350.0	15.34	-20.87	-21.05	-16.88	1.19	0.71	46.12	23.65	2.83
400.0	15.22	-20.97	-20.16	-14.79	1.19	0.71	46.19	23.52	2.84
450.0	15.07	-21.13	-18.79	-12.86	1.20	0.70	43.30	23.37	2.80
500.0	14.87	-21.31	-17.34	-11.11	1.21	0.70	42.53	23.34	2.81
550.0	14.62	-21.56	-15.93	-9.51	1.22	0.69	41.51	23.12	2.82
600.0	14.29	-21.88	-14.43	-8.08	1.23	0.67	39.19	22.97	2.89
650.0	13.87	-22.27	-13.08	-6.82	1.24	0.64	38.32	22.65	2.78
700.0	13.34	-22.78	-11.82	-5.74	1.27	0.62	37.14	22.22	2.79
750.0	12.72	-23.37	-10.89	-4.90	1.29	0.59	36.34	21.64	2.93
800.0	12.24	-23.83	-10.16	-4.27	1.31	0.57	35.47	21.08	2.83
850.0	11.63	-24.41	-9.24	-3.58	1.33	0.52	34.60	20.41	2.86
900.0	10.84	-25.17	-8.33	-2.99	1.36	0.47	33.41	19.51	2.76
950.0	9.90	-26.05	-7.59	-2.50	1.42	0.44	32.53	18.51	2.99
1000.0	8.87	-27.05	-6.94	-2.14	1.49	0.42	31.83	17.51	2.93

Typical Performance Data

TEST CONDITIONS: V_{DD} = +9 V, I_{DD} = 110.23mA @ Temperature = +25°C

FREQ	IP-3 Output P_{OUT} = 0 dBm	IP-3 Output P_{OUT} = +1 dBm	IP-3 Output P_{OUT} = +2 dBm	IP-3 Output P_{OUT} = +3 dBm	IP-3 Output P_{OUT} = +4 dBm	IP-3 Output P_{OUT} = +5 dBm
(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
5.0	40.9	41.8	42.3	42.7	43.0	35.6
10.0	41.2	41.7	42.2	42.7	43.3	42.4
100.0	41.1	42.0	42.3	42.7	43.5	45.0
150.0	41.1	41.6	42.2	42.9	43.3	45.7
200.0	41.1	41.6	42.4	42.9	43.4	46.5
300.0	42.2	42.9	43.5	44.3	44.8	46.3

Typical Performance Data

Definitions:
Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)
TEST CONDITIONS: V_{DD} = +7 V, I_{DD} = 80.93mA @ 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)
1.0	13.91	-26.31	-2.85	-4.25	1.17	0.69	--	18.71	--
3.0	15.75	-21.34	-9.82	-14.39	1.14	0.73	38.48	21.03	--
5.0	15.72	-20.75	-13.56	-18.95	1.15	0.69	39.70	21.21	--
10.0	15.62	-20.65	-17.85	-23.28	1.16	0.69	40.14	21.17	3.05
20.0	15.62	-20.58	-20.12	-26.24	1.16	0.68	41.69	21.00	2.57
30.0	15.60	-20.58	-20.72	-26.90	1.16	0.68	43.35	21.24	2.46
40.0	15.61	-20.59	-20.85	-27.00	1.17	0.69	43.04	21.45	2.37
50.0	15.60	-20.60	-20.99	-26.90	1.16	0.68	42.50	21.50	2.37
60.0	15.59	-20.59	-20.88	-26.54	1.17	0.69	42.56	21.54	2.31
70.0	15.59	-20.59	-20.93	-26.32	1.16	0.68	40.50	21.57	2.33
80.0	15.59	-20.59	-21.06	-26.14	1.16	0.68	39.41	21.67	2.26
90.0	15.58	-20.58	-20.86	-25.88	1.16	0.68	39.54	21.69	2.23
100.0	15.58	-20.59	-20.84	-25.67	1.16	0.68	39.48	21.68	2.19
110.0	15.57	-20.59	-20.76	-25.38	1.17	0.69	38.51	21.67	2.23
120.0	15.57	-20.59	-20.71	-25.18	1.17	0.69	38.53	21.71	2.22
130.0	15.56	-20.59	-20.70	-24.87	1.17	0.69	38.61	21.73	2.24
140.0	15.56	-20.60	-20.63	-24.66	1.17	0.69	39.23	21.67	2.15
150.0	15.55	-20.59	-20.54	-24.50	1.17	0.69	39.83	21.58	2.22
160.0	15.54	-20.60	-20.58	-24.31	1.17	0.69	40.17	21.60	2.22
170.0	15.54	-20.60	-20.61	-24.15	1.17	0.69	40.39	21.60	2.24
180.0	15.53	-20.60	-20.76	-23.99	1.17	0.69	40.28	21.61	2.22
190.0	15.53	-20.60	-20.69	-23.75	1.17	0.69	39.81	21.62	2.22
200.0	15.52	-20.61	-20.81	-23.51	1.17	0.69	39.87	21.65	2.17
250.0	15.48	-20.63	-21.20	-21.91	1.17	0.69	40.69	21.59	2.18
300.0	15.43	-20.69	-21.54	-19.59	1.17	0.69	41.26	21.54	2.20
350.0	15.34	-20.75	-21.34	-17.09	1.18	0.69	41.70	21.43	2.24
400.0	15.24	-20.85	-20.74	-14.82	1.18	0.69	40.73	21.28	2.22
450.0	15.10	-20.99	-19.38	-12.83	1.19	0.69	39.16	21.11	2.21
500.0	14.92	-21.16	-17.91	-11.08	1.19	0.68	38.28	21.08	2.19
550.0	14.69	-21.39	-16.35	-9.50	1.20	0.67	37.36	20.89	2.18
600.0	14.38	-21.67	-14.77	-8.08	1.20	0.65	35.75	20.76	2.28
650.0	14.00	-22.04	-13.31	-6.82	1.21	0.62	34.90	20.45	2.14
700.0	13.50	-22.51	-11.94	-5.72	1.23	0.60	33.87	20.02	2.12
750.0	12.87	-23.12	-10.84	-4.80	1.25	0.57	33.18	19.32	2.30
800.0	12.34	-23.63	-10.26	-4.23	1.28	0.55	32.37	18.61	2.19
850.0	11.86	-24.07	-9.40	-3.57	1.27	0.50	31.59	17.90	2.23
900.0	11.13	-24.77	-8.43	-2.95	1.29	0.45	30.23	16.86	2.04
950.0	10.24	-25.60	-7.63	-2.43	1.32	0.41	29.28	15.83	2.37
1000.0	9.24	-26.56	-6.90	-2.04	1.37	0.38	27.99	14.72	2.25

Typical Performance Data

Definitions:
Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)
TEST CONDITIONS: V_{DD} = +5 V, I_{DD} = 52.63mA @ 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)
1.0	13.44	-26.02	-2.87	-4.13	1.18	0.67	--	16.08	--
3.0	15.39	-21.14	-9.60	-13.88	1.15	0.73	35.45	18.33	--
5.0	15.39	-20.49	-13.19	-18.15	1.15	0.69	35.64	18.52	--
10.0	15.27	-20.50	-17.20	-22.41	1.17	0.70	35.89	18.42	2.84
20.0	15.28	-20.46	-18.81	-24.83	1.17	0.70	33.49	18.22	2.52
30.0	15.27	-20.44	-19.32	-25.30	1.17	0.70	36.19	18.45	2.37
40.0	15.27	-20.44	-19.48	-25.35	1.18	0.70	41.68	18.65	2.31
50.0	15.26	-20.46	-19.50	-25.26	1.17	0.70	43.55	18.67	2.34
60.0	15.26	-20.45	-19.41	-24.94	1.17	0.70	40.75	18.69	2.26
70.0	15.25	-20.45	-19.49	-24.75	1.18	0.70	36.81	18.69	2.26
80.0	15.25	-20.45	-19.36	-24.57	1.17	0.70	35.64	18.78	2.26
90.0	15.24	-20.45	-19.39	-24.33	1.18	0.70	35.26	18.79	2.20
100.0	15.24	-20.46	-19.36	-24.13	1.18	0.70	34.76	18.76	2.16
110.0	15.23	-20.46	-19.26	-23.86	1.18	0.70	33.94	18.74	2.23
120.0	15.22	-20.45	-19.21	-23.68	1.18	0.70	33.71	18.77	2.21
130.0	15.22	-20.46	-19.15	-23.39	1.18	0.70	34.07	18.77	2.22
140.0	15.21	-20.47	-19.10	-23.19	1.18	0.70	34.79	18.69	2.14
150.0	15.20	-20.46	-19.04	-23.04	1.18	0.70	35.50	18.59	2.21
160.0	15.19	-20.47	-19.06	-22.84	1.18	0.70	35.92	18.60	2.20
170.0	15.19	-20.48	-19.07	-22.67	1.18	0.70	36.20	18.59	2.24
180.0	15.19	-20.48	-19.09	-22.51	1.18	0.70	35.90	18.59	2.19
190.0	15.18	-20.48	-19.11	-22.28	1.18	0.70	35.40	18.59	2.23
200.0	15.17	-20.49	-19.10	-22.04	1.18	0.70	35.05	18.61	2.18
250.0	15.13	-20.53	-19.36	-20.56	1.18	0.71	36.54	18.51	2.18
300.0	15.07	-20.59	-19.64	-18.47	1.19	0.71	35.59	18.40	2.15
350.0	14.98	-20.66	-19.47	-16.17	1.19	0.71	36.09	18.25	2.22
400.0	14.86	-20.78	-18.93	-14.05	1.20	0.71	34.30	18.04	2.23
450.0	14.71	-20.94	-17.85	-12.16	1.20	0.70	32.95	17.80	2.17
500.0	14.51	-21.12	-16.66	-10.48	1.21	0.69	32.18	17.72	2.24
550.0	14.25	-21.36	-15.35	-8.98	1.21	0.68	31.27	17.47	2.11
600.0	13.93	-21.67	-14.04	-7.64	1.22	0.66	29.90	17.21	2.27
650.0	13.52	-22.05	-12.76	-6.44	1.23	0.63	29.07	16.75	2.08
700.0	13.02	-22.53	-11.48	-5.40	1.24	0.60	27.89	15.99	2.03
750.0	12.37	-23.14	-10.47	-4.54	1.27	0.56	26.92	15.04	2.31
800.0	11.83	-23.65	-9.89	-4.00	1.29	0.55	25.71	14.23	2.18
850.0	11.35	-24.09	-9.13	-3.38	1.28	0.49	24.70	13.46	2.21
900.0	10.61	-24.78	-8.21	-2.80	1.30	0.44	22.65	12.43	2.00
950.0	9.74	-25.59	-7.46	-2.32	1.32	0.40	21.40	11.42	2.37
1000.0	8.75	-26.53	-6.77	-1.96	1.37	0.37	20.10	10.32	2.31

Typical Performance Data

Definitions:
Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)
TEST CONDITIONS: V_{DD} = +9 V, I_{DD} = 108.35mA @ 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)
1.0	14.06	-26.50	-2.84	-4.25	1.17	0.69	--	20.76	--
3.0	15.92	-21.07	-9.87	-14.61	1.12	0.69	41.20	23.11	--
5.0	15.87	-20.87	-13.76	-19.39	1.15	0.69	43.78	23.28	--
10.0	15.77	-20.73	-18.16	-23.89	1.16	0.68	44.47	23.22	3.50
20.0	15.77	-20.67	-20.61	-27.27	1.16	0.68	43.70	23.04	2.83
30.0	15.76	-20.67	-21.43	-28.09	1.16	0.68	43.74	23.30	2.60
40.0	15.76	-20.67	-21.54	-28.24	1.16	0.68	47.09	23.52	2.50
50.0	15.76	-20.67	-21.71	-28.15	1.16	0.68	46.03	23.57	2.44
60.0	15.75	-20.67	-21.62	-27.77	1.16	0.68	47.16	23.63	2.38
70.0	15.74	-20.67	-21.86	-27.54	1.16	0.68	44.10	23.66	2.44
80.0	15.74	-20.67	-21.81	-27.35	1.16	0.68	43.97	23.77	2.35
90.0	15.73	-20.67	-21.79	-27.08	1.16	0.68	43.04	23.80	2.33
100.0	15.73	-20.67	-21.71	-26.85	1.16	0.68	42.92	23.80	2.23
110.0	15.72	-20.67	-21.61	-26.54	1.16	0.68	42.87	23.80	2.34
120.0	15.72	-20.66	-21.63	-26.34	1.16	0.68	41.69	23.85	2.25
130.0	15.72	-20.67	-21.51	-25.98	1.16	0.68	42.47	23.87	2.29
140.0	15.71	-20.67	-21.47	-25.75	1.16	0.68	42.59	23.84	2.26
150.0	15.70	-20.66	-21.45	-25.60	1.16	0.68	43.01	23.76	2.22
160.0	15.69	-20.67	-21.52	-25.38	1.16	0.68	43.93	23.78	2.27
170.0	15.69	-20.66	-21.55	-25.22	1.16	0.68	44.36	23.79	2.35
180.0	15.69	-20.67	-21.64	-25.05	1.16	0.68	44.67	23.82	2.28
190.0	15.69	-20.66	-21.68	-24.80	1.16	0.68	44.35	23.83	2.29
200.0	15.68	-20.67	-21.79	-24.55	1.17	0.69	42.87	23.86	2.26
250.0	15.64	-20.69	-22.27	-22.80	1.16	0.69	43.57	23.84	2.23
300.0	15.59	-20.74	-22.76	-20.30	1.17	0.69	46.38	23.83	2.24
350.0	15.51	-20.80	-22.40	-17.65	1.17	0.69	46.07	23.73	2.32
400.0	15.41	-20.88	-21.70	-15.29	1.18	0.69	47.38	23.60	2.28
450.0	15.28	-21.02	-20.21	-13.24	1.18	0.69	46.09	23.44	2.26
500.0	15.11	-21.18	-18.56	-11.43	1.19	0.68	44.26	23.44	2.29
550.0	14.89	-21.40	-16.85	-9.81	1.19	0.67	43.00	23.25	2.26
600.0	14.59	-21.67	-15.19	-8.36	1.20	0.65	40.50	23.13	2.31
650.0	14.21	-22.03	-13.63	-7.05	1.21	0.63	39.60	22.86	2.20
700.0	13.73	-22.50	-12.19	-5.91	1.23	0.60	38.31	22.52	2.21
750.0	13.10	-23.11	-11.04	-4.96	1.25	0.57	37.60	21.89	2.34
800.0	12.58	-23.61	-10.43	-4.36	1.28	0.55	36.73	21.25	2.33
850.0	12.11	-24.04	-9.53	-3.68	1.27	0.50	35.72	20.65	2.31
900.0	11.38	-24.75	-8.53	-3.04	1.29	0.45	34.56	19.68	2.11
950.0	10.49	-25.60	-7.70	-2.50	1.33	0.41	33.58	18.65	2.45
1000.0	9.47	-26.57	-6.97	-2.09	1.37	0.38	32.47	17.55	2.29

Typical Performance Data

Definitions:
Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)
TEST CONDITIONS: V_{DD} = +7 V, I_{DD} = 84.07mA @ 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)
1.0	14.12	-25.82	-3.00	-4.62	1.16	0.70	--	18.49	--
3.0	15.55	-21.19	-10.12	-15.49	1.15	0.74	39.79	20.84	--
5.0	15.48	-20.61	-13.83	-20.10	1.15	0.70	40.28	20.97	--
10.0	15.38	-20.58	-17.92	-24.42	1.17	0.70	40.86	20.92	3.98
20.0	15.39	-20.54	-20.29	-27.71	1.17	0.70	37.28	20.74	3.57
30.0	15.38	-20.53	-20.86	-28.67	1.18	0.70	43.03	21.00	3.43
40.0	15.38	-20.54	-21.04	-29.06	1.17	0.70	45.62	21.20	3.37
50.0	15.37	-20.54	-21.46	-29.24	1.18	0.70	43.87	21.24	3.31
60.0	15.36	-20.54	-21.35	-29.05	1.18	0.70	45.85	21.30	3.29
70.0	15.35	-20.54	-21.60	-28.97	1.18	0.70	42.77	21.32	3.31
80.0	15.35	-20.54	-21.77	-28.93	1.18	0.70	41.32	21.42	3.21
90.0	15.33	-20.55	-21.84	-28.67	1.18	0.70	41.27	21.43	3.16
100.0	15.33	-20.55	-21.89	-28.39	1.18	0.70	40.51	21.42	3.18
110.0	15.32	-20.55	-22.01	-27.94	1.18	0.70	39.68	21.41	3.19
120.0	15.31	-20.55	-22.06	-27.54	1.18	0.70	39.18	21.44	3.20
130.0	15.30	-20.56	-22.01	-26.91	1.18	0.70	39.22	21.45	3.16
140.0	15.29	-20.56	-22.10	-26.38	1.18	0.70	39.81	21.39	3.13
150.0	15.28	-20.56	-22.01	-25.83	1.18	0.70	41.26	21.30	3.15
160.0	15.26	-20.58	-22.10	-25.25	1.18	0.70	41.14	21.31	3.12
170.0	15.26	-20.58	-22.00	-24.70	1.19	0.71	42.62	21.30	3.22
180.0	15.25	-20.59	-21.94	-24.15	1.19	0.71	42.71	21.32	3.20
190.0	15.23	-20.60	-21.83	-23.53	1.19	0.71	42.58	21.32	3.16
200.0	15.22	-20.61	-21.73	-22.95	1.19	0.71	41.61	21.33	3.15
250.0	15.15	-20.66	-21.06	-20.29	1.19	0.71	42.61	21.27	3.12
300.0	15.05	-20.76	-20.14	-18.00	1.20	0.72	46.15	21.22	3.18
350.0	14.93	-20.86	-18.98	-15.91	1.21	0.72	49.10	21.13	3.17
400.0	14.80	-20.99	-18.04	-14.05	1.22	0.73	42.06	20.99	3.27
450.0	14.63	-21.17	-16.84	-12.30	1.22	0.73	39.52	20.85	3.15
500.0	14.40	-21.38	-15.67	-10.67	1.24	0.72	39.03	20.78	3.23
550.0	14.12	-21.65	-14.57	-9.15	1.25	0.71	37.41	20.53	3.15
600.0	13.75	-22.00	-13.42	-7.79	1.26	0.69	35.53	20.34	3.27
650.0	13.29	-22.43	-12.32	-6.58	1.29	0.67	34.56	19.95	3.16
700.0	12.74	-22.96	-11.32	-5.56	1.32	0.64	33.38	19.48	3.11
750.0	12.14	-23.53	-10.56	-4.78	1.34	0.61	32.64	18.90	3.37
800.0	11.62	-24.02	-9.84	-4.14	1.36	0.58	31.65	18.30	3.29
850.0	10.96	-24.64	-9.06	-3.49	1.39	0.53	30.73	17.61	3.30
900.0	10.16	-25.40	-8.30	-2.96	1.42	0.49	29.46	16.73	3.13
950.0	9.26	-26.23	-7.65	-2.53	1.49	0.46	28.61	15.87	3.41
1000.0	8.29	-27.15	-7.07	-2.20	1.57	0.43	27.95	14.94	3.37

Typical Performance Data

Definitions:
Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)
TEST CONDITIONS: V_{DD} =+ 5 V, I_{DD} = 55.62mA @ 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)
1.0	13.71	-25.65	-3.04	-4.60	1.18	0.71	--	15.94	--
3.0	15.17	-20.77	-9.98	-15.01	1.15	0.73	33.53	18.19	--
5.0	15.12	-20.58	-13.42	-19.41	1.17	0.72	33.87	18.35	--
10.0	15.01	-20.43	-16.90	-23.42	1.18	0.72	34.10	18.26	3.79
20.0	15.02	-20.38	-18.79	-26.06	1.19	0.71	29.07	18.09	3.47
30.0	15.01	-20.38	-19.41	-26.75	1.19	0.71	30.08	18.32	3.34
40.0	15.01	-20.38	-19.43	-26.97	1.19	0.71	30.99	18.51	3.31
50.0	15.01	-20.39	-19.53	-27.10	1.19	0.71	31.64	18.53	3.29
60.0	14.99	-20.38	-19.72	-26.90	1.19	0.71	32.26	18.56	3.22
70.0	14.98	-20.39	-19.82	-26.81	1.19	0.71	33.53	18.55	3.22
80.0	14.98	-20.39	-19.89	-26.72	1.19	0.71	34.69	18.64	3.18
90.0	14.97	-20.39	-19.95	-26.49	1.19	0.72	35.38	18.64	3.16
100.0	14.96	-20.40	-20.03	-26.26	1.19	0.72	36.41	18.61	3.12
110.0	14.95	-20.40	-20.02	-25.87	1.19	0.72	38.56	18.59	3.16
120.0	14.94	-20.41	-20.05	-25.53	1.20	0.72	39.18	18.61	3.16
130.0	14.93	-20.42	-20.06	-25.02	1.20	0.72	38.00	18.60	3.18
140.0	14.92	-20.43	-20.10	-24.58	1.20	0.72	35.93	18.52	3.10
150.0	14.90	-20.42	-20.07	-24.12	1.20	0.72	35.26	18.41	3.17
160.0	14.89	-20.45	-20.02	-23.65	1.20	0.72	34.97	18.42	3.11
170.0	14.88	-20.45	-20.01	-23.17	1.20	0.72	35.01	18.40	3.16
180.0	14.87	-20.46	-19.92	-22.69	1.20	0.72	35.55	18.40	3.13
190.0	14.86	-20.47	-19.84	-22.14	1.20	0.72	36.58	18.39	3.11
200.0	14.84	-20.49	-19.83	-21.63	1.20	0.73	37.15	18.41	3.09
250.0	14.76	-20.56	-19.21	-19.19	1.21	0.73	35.91	18.30	3.15
300.0	14.66	-20.66	-18.37	-17.02	1.22	0.74	36.75	18.20	3.15
350.0	14.53	-20.78	-17.42	-15.05	1.22	0.74	36.95	18.09	3.21
400.0	14.38	-20.93	-16.51	-13.27	1.23	0.74	35.05	17.94	3.20
450.0	14.19	-21.12	-15.57	-11.63	1.24	0.74	33.63	17.76	3.14
500.0	13.95	-21.34	-14.60	-10.09	1.25	0.73	33.49	17.68	3.19
550.0	13.65	-21.63	-13.64	-8.65	1.26	0.72	32.14	17.41	3.12
600.0	13.26	-21.99	-12.65	-7.36	1.28	0.70	30.38	17.19	3.27
650.0	12.79	-22.44	-11.71	-6.22	1.30	0.67	29.40	16.76	3.12
700.0	12.22	-22.98	-10.78	-5.27	1.33	0.64	28.15	16.17	3.03
750.0	11.61	-23.54	-10.10	-4.53	1.36	0.61	27.25	15.54	3.31
800.0	11.07	-24.04	-9.46	-3.92	1.38	0.57	26.02	14.88	3.19
850.0	10.40	-24.65	-8.74	-3.31	1.40	0.52	24.96	14.11	3.24
900.0	9.60	-25.40	-8.02	-2.81	1.44	0.48	23.31	13.14	3.09
950.0	8.71	-26.23	-7.41	-2.41	1.49	0.45	22.13	12.24	3.40
1000.0	7.76	-27.12	-6.85	-2.11	1.57	0.43	21.56	11.29	3.33

Typical Performance Data

Definitions:
Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)
TEST CONDITIONS: V_{DD} = +9 V, I_{DD} = 111.79mA @ 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)
1.0	14.23	-25.98	-2.99	-4.59	1.16	0.71	--	20.36	--
3.0	15.73	-20.95	-10.21	-15.50	1.13	0.71	41.28	22.78	--
5.0	15.65	-21.00	-13.97	-20.33	1.17	0.72	41.97	22.93	--
10.0	15.54	-20.64	-18.32	-24.56	1.17	0.69	42.58	22.87	4.20
20.0	15.55	-20.59	-20.83	-27.79	1.17	0.69	41.50	22.72	3.75
30.0	15.54	-20.58	-21.65	-28.81	1.17	0.69	44.46	22.98	3.54
40.0	15.54	-20.58	-21.97	-29.23	1.17	0.69	42.78	23.19	3.46
50.0	15.53	-20.58	-22.37	-29.47	1.17	0.69	44.82	23.23	3.42
60.0	15.52	-20.58	-22.51	-29.31	1.17	0.69	47.04	23.31	3.38
70.0	15.51	-20.59	-22.74	-29.30	1.17	0.69	45.03	23.34	3.41
80.0	15.51	-20.58	-22.82	-29.32	1.17	0.69	43.44	23.45	3.32
90.0	15.50	-20.58	-22.91	-29.14	1.17	0.69	42.72	23.47	3.28
100.0	15.49	-20.58	-23.02	-28.95	1.17	0.69	42.30	23.48	3.24
110.0	15.48	-20.58	-23.07	-28.58	1.17	0.69	41.69	23.47	3.29
120.0	15.48	-20.59	-23.13	-28.24	1.17	0.69	41.71	23.51	3.29
130.0	15.47	-20.59	-23.29	-27.65	1.17	0.69	41.48	23.52	3.31
140.0	15.46	-20.60	-23.25	-27.16	1.18	0.69	41.98	23.49	3.23
150.0	15.44	-20.59	-23.27	-26.65	1.17	0.69	42.56	23.41	3.25
160.0	15.43	-20.60	-23.21	-26.08	1.18	0.70	43.43	23.43	3.28
170.0	15.42	-20.61	-23.28	-25.54	1.18	0.70	44.50	23.43	3.32
180.0	15.42	-20.61	-23.22	-24.99	1.18	0.70	44.19	23.46	3.29
190.0	15.40	-20.62	-23.06	-24.36	1.18	0.70	42.92	23.46	3.26
200.0	15.39	-20.63	-22.99	-23.78	1.18	0.70	43.25	23.48	3.23
250.0	15.32	-20.68	-22.20	-21.04	1.18	0.70	44.54	23.48	3.29
300.0	15.23	-20.76	-21.17	-18.68	1.19	0.71	46.19	23.46	3.25
350.0	15.12	-20.85	-19.90	-16.51	1.20	0.72	45.72	23.38	3.34
400.0	14.99	-20.99	-18.76	-14.59	1.21	0.72	48.23	23.26	3.31
450.0	14.83	-21.15	-17.43	-12.78	1.22	0.72	43.14	23.12	3.28
500.0	14.62	-21.35	-16.19	-11.09	1.23	0.72	42.49	23.07	3.33
550.0	14.34	-21.61	-14.98	-9.51	1.24	0.70	41.14	22.80	3.27
600.0	13.99	-21.95	-13.70	-8.09	1.26	0.69	38.82	22.60	3.40
650.0	13.54	-22.38	-12.56	-6.83	1.28	0.67	37.94	22.18	3.27
700.0	12.99	-22.91	-11.47	-5.78	1.31	0.64	36.77	21.67	3.24
750.0	12.40	-23.47	-10.69	-4.96	1.34	0.61	35.92	21.08	3.45
800.0	11.88	-23.97	-9.94	-4.29	1.36	0.58	35.65	20.48	3.41
850.0	11.23	-24.59	-9.13	-3.62	1.39	0.53	34.09	19.79	3.45
900.0	10.43	-25.35	-8.35	-3.06	1.43	0.50	33.04	18.95	3.18
950.0	9.52	-26.22	-7.72	-2.61	1.50	0.47	32.17	18.07	3.53
1000.0	8.54	-27.16	-7.15	-2.27	1.60	0.44	31.73	17.15	3.53