Typical Performance Data

V_{DS} (V)	I_{DS} (mA)						
	V_{GS}= -1.00V	V_{GS}= -0.9V	V_{GS}= -0.8V	V_{GS}= -0.7V	V_{GS}= -0.6V	V_{GS}= -0.4V	V_{GS}= -0.2V
0.0	-0.01	-0.01	0.03	0.04	-0.01	-0.12	-0.14
0.1	1.32	3.19	8.04	14.00	19.61	28.89	34.79
0.2	1.67	4.87	12.63	23.34	34.52	54.04	67.14
0.3	1.85	5.85	15.15	28.87	44.46	74.08	95.60
0.4	1.98	6.53	16.73	32.10	50.52	88.67	120.14
0.5	2.11	7.05	17.86	34.12	54.08	98.28	138.30
0.6	2.22	7.46	18.72	35.53	56.26	104.20	150.94
0.7	2.32	7.79	19.41	36.62	57.79	107.32	158.60
0.8	2.43	8.09	20.01	37.56	59.04	109.22	162.68
0.9	2.52	8.37	20.56	38.39	60.11	110.60	164.94
1.0	2.62	8.63	21.08	39.15	61.07	111.72	166.36
1.1	2.71	8.88	21.56	39.86	61.95	112.68	167.34
1.2	2.80	9.12	22.02	40.53	62.78	113.52	168.08
1.3	2.89	9.36	22.45	41.16	63.55	114.24	168.62
1.4	2.98	9.59	22.87	41.77	64.27	114.88	169.04
1.5	3.06	9.82	23.30	42.35	64.97	115.48	169.34
1.6	3.15	10.07	23.75	42.95	65.64	116.02	169.62
1.7	3.25	10.36	24.27	43.58	66.30	116.52	169.84
1.8	3.37	10.73	24.89	44.31	66.96	117.02	170.00
1.9	3.52	11.20	25.67	45.16	67.66	117.48	170.18
2.0	3.69	11.79	26.61	46.04	68.36	117.92	170.30
2.1	3.88	12.50	27.60	46.97	69.08	118.32	170.26
2.2	4.10	13.07	28.39	47.86	69.78	118.72	170.18
2.3	4.29	13.50	29.01	48.62	70.41	119.12	170.18
2.4	4.45	13.85	29.51	49.24	71.02	119.50	170.26
2.5	4.58	14.15	29.93	49.77	71.57	119.84	170.46
2.6	4.70	14.40	30.28	50.22	72.06	120.24	170.70
2.7	4.81	14.63	30.62	50.62	72.51	120.56	171.12
2.8	4.90	14.82	30.90	50.98	72.92	120.90	171.26
2.9	4.98	15.01	31.17	51.30	73.30	121.20	171.42
3.0	5.07	15.19	31.42	51.61	73.65	121.50	171.60
3.1	5.15	15.35	31.65	51.88	73.98	121.82	171.80
3.2	5.22	15.50	31.86	52.16	74.28	122.16	171.98
3.3	5.30	15.65	32.08	52.41	74.57	122.46	172.14
3.4	5.37	15.80	32.27	52.65	74.85	122.84	172.28
3.5	5.44	15.93	32.47	52.88	75.12	123.20	--
3.6	5.51	16.06	32.65	53.11	75.39	123.58	--
3.7	5.57	16.19	32.83	53.33	75.65	123.96	--
3.8	5.64	16.32	33.00	53.53	75.90	124.32	--
3.9	5.70	16.44	33.17	53.74	76.17	124.68	--
4.0	5.77	16.56	33.34	53.95	76.42	125.04	--
4.1	5.83	16.68	33.50	54.16	76.69	125.36	--
4.2	5.90	16.80	33.68	54.36	76.96	125.68	--
4.3	5.97	16.92	33.84	54.56	77.23	125.96	--
4.4	6.03	17.04	34.00	54.77	77.52	126.28	--
4.5	6.10	17.16	34.17	54.98	77.80	126.54	--
4.6	6.16	17.28	34.33	55.19	78.10	126.74	--
4.7	6.23	17.39	34.50	55.41	78.41	127.00	--
4.8	6.30	17.51	34.67	55.63	78.71	--	--
4.9	6.37	17.64	34.84	55.86	79.03	--	--
5.0	6.44	17.76	35.01	56.09	79.35	--	--

Typical Performance Data

FREQ (MHz)	GAIN vs. FREQ & TEMPERATURE[1] @ V_{DS}=+4V, I_{DS}=60mA			NOISE FIGURE vs. FREQ & TEMPERATURE [1] @ V_{DS}=+4V, I_{DS}=60mA			OUTPUT RETURN LOSS vs. FREQ & TEMPERATURE [1] @ V_{DS}=+4V, I_{DS}=60mA		
	dB			dB			dB		
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
10	25.0	24.8	24.2	3.8	2.2	4.5	6.4	6.1	5.7
50	25.0	24.8	24.2	0.8	0.5	1.0	6.4	6.1	5.7
100	24.9	24.7	24.2	0.5	0.4	0.6	6.5	6.2	5.8
200	24.8	24.6	24.0	0.5	0.4	0.6	6.6	6.3	5.9
300	24.6	24.3	23.8	0.6	0.5	0.6	6.8	6.6	6.2
400	24.3	24.0	23.5	0.4	0.4	0.5	7.1	6.8	6.4
500	23.9	23.6	23.1	0.5	0.4	0.6	7.4	7.2	6.8
600	23.5	23.2	22.8	0.5	0.4	0.6	7.8	7.5	7.1
700	23.1	22.8	22.3	0.4	0.4	0.5	8.2	7.9	7.5
800	22.6	22.3	21.9	0.6	0.5	0.6	8.6	8.3	7.9
900	22.2	21.9	21.4	0.5	0.4	0.6	9.0	8.7	8.3
1000	21.7	21.4	21.0	0.5	0.4	0.5	9.4	9.1	8.7
1100	21.3	21.0	20.5	0.6	0.4	0.6	9.8	9.5	9.1
1200	20.9	20.5	20.1	0.6	0.5	0.6	10.2	9.9	9.5
1300	20.4	20.1	19.7	0.6	0.5	0.6	10.5	10.3	9.8
1400	20.0	19.6	19.2	0.6	0.5	0.7	10.9	10.6	10.2
1500	19.6	19.2	18.8	0.7	0.5	0.7	11.2	11.0	10.5
1600	19.2	18.8	18.4	0.6	0.6	0.6	11.5	11.3	10.8
1700	18.8	18.4	18.1	0.5	0.4	0.6	11.8	11.6	11.1
1800	18.4	18.1	17.7	0.6	0.4	0.7	12.1	11.8	11.4
1900	18.0	17.7	17.3	0.6	0.5	0.6	12.3	12.1	11.6
2000	17.7	17.4	17.0	0.6	0.4	0.7	12.5	12.3	11.8
2100	17.4	17.0	16.6	0.6	0.5	0.7	12.8	12.5	12.1
2200	17.0	16.7	16.3	0.6	0.5	0.7	13.0	12.7	12.3
2300	16.7	16.4	16.0	0.6	0.4	0.8	13.2	12.9	12.5
2400	16.4	16.1	15.7	0.6	0.4	0.7	13.4	13.1	12.7
2500	16.2	15.8	15.4	0.7	0.5	1.0	13.5	13.3	12.8
2600	15.9	15.5	15.1	0.7	0.5	0.8	13.7	13.5	13.0
2700	15.6	15.2	14.9	0.8	0.6	0.9	13.9	13.6	13.1
2800	15.4	15.0	14.6	1.0	0.7	1.0	14.1	13.8	13.3
2900	15.1	14.7	14.4	0.8	0.6	1.0	14.3	14.0	13.5
3000	14.9	14.5	14.1	0.9	0.7	1.0	14.5	14.2	13.6
3100	14.6	14.2	13.9	0.7	0.5	0.9	14.7	14.3	13.8
3200	14.4	14.0	13.6	0.7	0.6	0.9	14.9	14.5	13.9
3300	14.2	13.8	13.4	0.8	0.6	1.0	15.1	14.7	14.1
3400	14.0	13.6	13.2	0.8	0.6	0.9	15.4	14.9	14.3
3500	13.7	13.3	13.0	0.7	0.6	0.9	15.6	15.1	14.5
3600	13.5	13.1	12.8	0.8	0.7	1.0	15.8	15.4	14.7
3700	13.3	12.9	12.6	0.8	0.7	1.0	16.1	15.6	14.9
3800	13.1	12.7	12.3	0.9	0.7	1.0	16.4	15.8	15.1
3900	12.9	12.5	12.2	0.9	0.7	1.0	16.6	16.1	15.3
4000	12.7	12.3	12.0	0.9	0.7	1.1	16.8	16.3	15.6

[1] Includes test board loss

Typical Performance Data

FREQ (MHz)	OIP3 vs FREQ & TEMPERATURE [1] @ V_{DS}=+4V, I_{DS}=60mA			P1dB vs FREQ & TEMPERATURE[1,2] @ V_{DS}=+4V, I_{DS}=60mA		
	dBm			dBm		
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
10	34.0	33.9	29.7	19.2	18.9	19.2
50	32.6	32.0	30.2	19.8	19.2	19.8
100	33.2	33.2	31.6	19.8	19.2	19.6
200	33.4	32.9	31.7	19.8	19.4	19.6
300	33.4	32.8	31.6	20.3	19.6	20.2
400	33.6	33.3	31.1	20.0	19.4	19.9
500	33.7	33.3	31.6	19.9	19.5	19.8
600	33.9	33.7	31.7	20.2	19.8	20.0
700	34.0	33.5	32.2	20.2	19.8	20.1
800	33.8	33.4	32.4	20.2	19.8	20.1
900	34.1	33.8	32.5	20.4	20.0	20.4
1000	34.2	33.7	32.5	20.7	20.3	20.7
1100	34.7	34.1	32.9	20.5	20.2	20.5
1200	34.4	33.8	32.7	20.5	20.3	20.5
1300	34.2	34.3	33.0	20.9	20.5	20.9
1400	34.4	34.5	33.4	20.9	20.5	20.7
1500	35.4	35.3	33.3	20.5	20.4	20.5
1600	34.6	34.5	33.1	20.6	20.3	20.5
1700	34.8	34.3	34.2	20.6	20.3	20.6
1800	34.4	34.7	33.7	21.1	20.7	21.0
1900	34.9	35.0	33.9	21.0	20.7	21.0
2000	35.3	35.3	34.9	21.1	20.7	21.0
2100	35.3	35.3	34.6	21.1	20.8	21.0
2200	35.3	35.4	33.8	21.0	20.8	21.0
2300	35.7	36.2	35.4	20.7	20.5	20.8
2400	35.0	35.3	34.4	20.8	20.6	20.8
2500	35.4	35.1	35.7	21.3	21.0	21.3
2600	35.2	35.2	34.7	21.6	21.2	21.6
2700	36.6	35.2	34.8	20.9	20.7	20.9
2800	35.3	36.1	36.6	21.1	20.8	21.0
2900	35.5	35.4	34.7	21.3	21.0	21.2
3000	35.4	35.8	36.3	21.0	20.8	20.9
3100	35.2	35.1	35.8	21.2	21.1	21.1
3200	35.8	35.9	34.8	21.8	21.5	21.7
3300	35.8	35.8	35.0	21.2	21.1	21.3
3400	36.1	35.8	35.2	21.0	20.9	20.8
3500	36.0	36.1	37.1	21.2	21.0	21.1
3600	35.5	35.3	36.2	21.6	21.4	21.5
3700	36.2	36.4	37.1	21.7	21.6	21.6
3800	35.9	35.8	35.9	21.5	21.4	21.4
3900	35.8	35.7	36.0	21.3	21.2	21.3
4000	35.5	36.2	37.4	21.3	21.1	21.3

[1] Includes test board loss

[2] Drain current was allowed to increase during compression measurement