Typical Performance Data

VDS (V)	IDS (mA) @ VGS=					
	0.20V	0.30V	0.40V	0.50V	0.60V	0.70V
0.00	0.01	0.04	0.08	0.08	0.10	0.09
0.10	0.27	3.65	12.61	18.97	21.95	23.61
0.20	0.29	4.15	18.82	34.57	42.39	46.35
0.30	0.30	4.34	20.58	45.11	60.56	68.02
0.40	0.33	4.50	21.37	50.24	75.24	88.05
0.50	0.34	4.65	21.90	52.30	85.18	105.70
0.60	0.34	4.85	22.33	53.38	90.38	120.00
0.70	0.36	4.99	22.76	54.18	92.66	
0.80	0.38	5.13	23.24	54.89	93.88	
0.90	0.40	5.25	23.62	55.49	94.80	
1.00	0.42	5.38	23.97	56.03	95.53	
1.10	0.43	5.51	24.29	56.51	96.14	
1.20	0.45	5.63	24.61	56.97	96.68	
1.30	0.45	5.75	24.91	57.39	97.18	
1.40	0.47	5.86	25.22	57.82	97.65	
1.50	0.48	5.98	25.50	58.21	98.08	
1.60	0.52	6.10	25.77	58.60	98.49	
1.70	0.53	6.21	26.04	58.97	98.89	
1.80	0.55	6.32	26.32	59.33	99.30	
1.90	0.57	6.45	26.58	59.70	99.68	
2.00	0.55	6.55	26.87	60.08	100.07	
2.10	0.58	6.69	27.17	60.50	100.48	
2.20	0.60	6.82	27.51	60.97	100.97	
2.30	0.63	6.99	27.89	61.47	101.50	
2.40	0.64	7.17	28.29	62.05	102.12	
2.50	0.67	7.34	28.74	62.68	102.78	
2.60	0.70	7.52	29.19	63.32	103.50	
2.70	0.71	7.69	29.65	63.99	104.22	
2.80	0.73	7.90	30.15	64.64	104.94	
2.90	0.76	8.10	30.62	65.31	105.64	
3.00	0.82	8.34	31.13	65.99	106.33	
3.10	0.84	8.56	31.63	66.65	107.02	
3.20	0.87	8.79	32.17	67.32	107.70	
3.30	0.90	9.03	32.72	68.02	108.37	
3.40	0.92	9.30	33.28	68.69	109.02	
3.50	0.95	9.58	33.87	69.41	109.67	
3.60	1.01	9.89	34.46	70.12	110.34	
3.70	1.06	10.20	35.06	70.81	111.00	
3.80	1.10	10.53	35.67	71.53	111.64	
3.90	1.14	10.86	36.29	72.24	112.30	
4.00	1.14	11.21	36.89	72.93	112.96	
4.10	1.30	11.55	37.51	73.65	113.60	
4.20	1.37	11.90	38.13	74.35	114.25	
4.30	1.45	12.26	38.74	75.03	114.88	
4.40	1.54	12.63	39.36	75.76	115.53	
4.50	1.62	13.00	39.99	76.47	116.18	
4.60	1.69	13.38	40.62	77.15	116.80	
4.70	1.78	13.76	41.23	77.86	117.44	
4.80	1.90	14.14	41.86	78.56	118.06	
4.90	1.98	14.53	42.50	79.26	118.67	
5.00	2.07	14.94	43.13	79.96	119.30	

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 = 3V @ 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)
70	29.20	44.95	0.01	6.12	0.02	1.51	31.57	17.77	0.57
80	29.17	44.65	0.03	6.13	0.04	1.50	33.61	17.75	0.48
90	29.15	42.76	0.03	6.17	0.01	1.51	32.09	18.02	0.55
100	29.13	42.01	0.04	6.19	0.05	1.50	31.99	18.06	0.46
200	28.78	36.52	0.21	6.50	0.07	1.50	32.61	17.81	0.48
300	28.28	33.31	0.45	6.91	0.11	1.47	32.00	17.73	0.51
400	27.68	31.48	0.72	7.40	0.14	1.45	32.63	17.99	0.51
500	27.00	30.12	1.00	7.93	0.18	1.42	32.41	17.63	0.54
600	26.30	29.13	1.26	8.43	0.21	1.40	32.31	17.94	0.55
700	25.57	28.58	1.53	8.94	0.25	1.39	32.19	18.01	0.61
800	24.89	28.04	1.73	9.38	0.28	1.38	31.42	18.06	0.44
900	24.21	27.67	1.92	9.84	0.32	1.37	31.56	18.07	0.44
1000	23.57	27.34	2.07	10.23	0.35	1.36	32.23	18.27	0.48
1100	22.95	27.10	2.21	10.64	0.38	1.35	32.16	18.05	0.40
1200	22.36	26.84	2.33	11.01	0.41	1.35	31.48	18.04	0.38
1300	21.81	26.59	2.42	11.31	0.44	1.34	31.10	18.09	0.42
1400	21.28	26.38	2.52	11.60	0.47	1.34	31.82	18.16	0.45
1500	20.78	26.27	2.59	11.84	0.50	1.34	31.89	17.97	0.41
1600	20.29	26.10	2.68	12.13	0.53	1.33	32.72	18.43	0.44
1700	19.84	25.95	2.71	12.36	0.56	1.33	31.00	17.99	0.48
1800	19.40	25.75	2.78	12.55	0.58	1.33	32.06	18.42	0.51
1900	18.98	25.62	2.83	12.75	0.61	1.33	32.83	18.19	0.58
2000	18.59	25.48	2.87	12.93	0.63	1.33	31.08	18.25	0.57
2100	18.21	25.38	2.91	13.10	0.66	1.33	32.26	18.50	0.55
2200	17.86	25.26	2.94	13.21	0.68	1.33	32.67	18.32	0.52
2300	17.51	25.07	2.98	13.32	0.70	1.32	31.45	18.28	0.62
2400	17.18	24.96	3.00	13.43	0.72	1.32	32.48	18.67	0.53
2500	16.86	24.87	3.03	13.55	0.74	1.32	31.84	18.32	0.59
2600	16.55	24.72	3.06	13.64	0.76	1.32	31.97	18.49	0.55
2700	16.26	24.56	3.08	13.69	0.77	1.32	30.57	18.42	0.69
2800	15.97	24.44	3.11	13.75	0.79	1.32	31.63	18.42	0.69
2900	15.70	24.31	3.14	13.76	0.81	1.32	32.36	18.53	0.69
3000	15.42	24.18	3.17	13.82	0.83	1.31	32.14	18.43	0.58
3100	15.16	24.07	3.19	13.85	0.84	1.31	32.40	18.37	0.76
3200	14.90	23.97	3.22	13.89	0.86	1.31	32.71	18.39	0.79
3300	14.66	23.82	3.23	13.99	0.87	1.31	32.67	18.64	0.74
3400	14.42	23.68	3.25	14.05	0.89	1.31	32.61	18.56	0.83
3500	14.19	23.54	3.26	14.10	0.90	1.31	32.47	18.58	0.78
3600	13.96	23.45	3.26	14.11	0.91	1.31	31.93	18.67	0.87
3700	13.74	23.35	3.27	14.15	0.93	1.31	32.14	18.37	0.84
3800	13.51	23.21	3.26	14.11	0.94	1.31	31.86	18.44	0.85
3900	13.29	23.10	3.27	14.10	0.95	1.31	32.26	18.41	0.96
4000	13.08	22.99	3.25	14.05	0.96	1.31	31.62	18.15	0.96
4100	12.86	22.90	3.24	14.00	0.97	1.31	32.84	18.56	0.98
4200	12.66	22.78	3.21	13.93	0.98	1.31	31.83	18.35	0.93
4300	12.44	22.67	3.19	13.83	0.99	1.31	32.21	18.42	0.95
4400	12.24	22.58	3.16	13.75	1.00	1.31	31.93	18.46	1.09
4500	12.03	22.48	3.14	13.61	1.01	1.31	31.54	18.14	1.12
4600	11.82	22.39	3.10	13.48	1.02	1.31	32.13	18.47	1.06
4700	11.61	22.30	3.07	13.33	1.03	1.31	32.02	18.48	1.07
4800	11.40	22.24	3.04	13.19	1.04	1.31	31.38	18.19	1.28
4900	11.20	22.18	2.99	13.01	1.04	1.31	31.61	18.46	1.17
5000	10.98	22.11	2.95	12.81	1.05	1.31	32.58	18.48	1.12
5100	10.78	22.06	2.91	12.63	1.06	1.31	31.66	18.29	1.28
5200	10.58	21.96	2.86	12.47	1.06	1.31	31.74	18.16	1.50
5300	10.37	21.93	2.83	12.31	1.07	1.31	31.89	18.18	1.32
5400	10.18	21.85	2.78	12.18	1.08	1.32	31.79	18.00	1.48
5500	9.98	21.79	2.75	12.06	1.09	1.32	30.65	17.76	1.33
5600	9.80	21.71	2.71	11.94	1.09	1.32	31.34	18.08	1.31
5700	9.60	21.70	2.67	11.83	1.10	1.32	32.05	18.07	1.50
5800	9.42	21.60	2.63	11.68	1.10	1.32	31.57	18.11	1.36
5900	9.22	21.57	2.59	11.49	1.11	1.32	31.14	18.26	1.47
6000	9.04	21.51	2.55	11.33	1.11	1.32	31.76	18.16	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 = 4V @ 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)
70	29.29	45.34	0.01	5.59	0.01	1.45	29.33	19.19	0.63
80	29.26	44.61	0.03	5.62	-0.01	1.45	29.53	19.29	0.60
90	29.24	42.93	0.03	5.65	0.04	1.44	30.18	19.55	0.69
100	29.21	42.31	0.04	5.69	0.03	1.45	30.21	19.59	0.59
200	28.83	36.36	0.21	6.06	0.07	1.44	31.50	19.62	0.59
300	28.31	33.50	0.44	6.51	0.10	1.44	31.66	19.54	0.56
400	27.70	31.51	0.72	7.05	0.14	1.42	31.25	19.92	0.59
500	27.01	30.24	1.01	7.63	0.18	1.41	31.98	19.73	0.62
600	26.31	29.35	1.26	8.19	0.21	1.40	32.14	20.03	0.63
700	25.58	28.69	1.53	8.76	0.25	1.39	31.96	20.14	0.67
800	24.89	28.14	1.73	9.26	0.28	1.38	32.40	20.21	0.55
900	24.21	27.77	1.92	9.78	0.31	1.37	32.89	20.33	0.51
1000	23.57	27.37	2.07	10.23	0.35	1.36	32.89	20.41	0.57
1100	22.95	27.17	2.21	10.69	0.38	1.36	32.74	20.30	0.46
1200	22.36	26.95	2.33	11.11	0.41	1.36	33.29	20.31	0.49
1300	21.80	26.71	2.42	11.48	0.44	1.36	32.92	20.38	0.47
1400	21.28	26.52	2.52	11.81	0.47	1.35	33.44	20.53	0.51
1500	20.77	26.40	2.59	12.12	0.50	1.35	33.13	20.40	0.47
1600	20.28	26.26	2.68	12.45	0.53	1.35	33.91	20.59	0.55
1700	19.83	26.10	2.72	12.73	0.56	1.35	33.33	20.55	0.58
1800	19.39	25.94	2.78	12.96	0.58	1.35	34.06	20.69	0.60
1900	18.97	25.78	2.83	13.20	0.61	1.35	33.33	20.63	0.68
2000	18.58	25.69	2.87	13.43	0.64	1.35	33.18	20.57	0.71
2100	18.20	25.57	2.91	13.61	0.66	1.35	34.09	20.82	0.63
2200	17.85	25.36	2.94	13.76	0.68	1.35	34.34	20.68	0.65
2300	17.50	25.26	2.98	13.92	0.70	1.35	34.48	20.69	0.72
2400	17.17	25.14	3.00	14.03	0.72	1.35	34.40	20.81	0.64
2500	16.85	25.01	3.02	14.18	0.74	1.35	33.96	20.73	0.66
2600	16.54	24.89	3.05	14.29	0.76	1.34	33.62	20.78	0.72
2700	16.25	24.72	3.08	14.37	0.78	1.34	33.99	20.74	0.78
2800	15.96	24.62	3.11	14.45	0.80	1.34	32.34	20.80	0.76
2900	15.69	24.50	3.14	14.47	0.81	1.34	34.26	20.92	0.83
3000	15.41	24.37	3.17	14.53	0.83	1.34	34.92	20.79	0.68
3100	15.15	24.22	3.18	14.59	0.84	1.34	33.32	20.82	0.84
3200	14.89	24.13	3.21	14.66	0.86	1.33	34.94	20.92	0.93
3300	14.65	24.02	3.23	14.74	0.88	1.33	33.75	20.96	0.87
3400	14.41	23.88	3.25	14.84	0.90	1.33	34.44	20.97	0.89
3500	14.18	23.75	3.25	14.88	0.91	1.33	34.48	20.99	0.88
3600	13.95	23.64	3.26	14.93	0.92	1.33	33.14	21.06	0.95
3700	13.72	23.53	3.27	14.98	0.94	1.33	33.63	20.83	0.91
3800	13.50	23.39	3.27	14.95	0.95	1.33	34.47	20.88	0.96
3900	13.28	23.28	3.27	14.95	0.96	1.33	34.55	20.84	0.98
4000	13.07	23.21	3.25	14.93	0.97	1.33	34.12	20.72	1.04
4100	12.85	23.07	3.24	14.89	0.98	1.33	34.36	20.98	1.10
4200	12.65	22.97	3.21	14.82	0.99	1.33	34.91	20.90	1.16
4300	12.43	22.89	3.19	14.72	1.00	1.33	34.25	20.88	1.04
4400	12.23	22.79	3.16	14.66	1.01	1.33	33.93	20.99	1.07
4500	12.02	22.69	3.14	14.54	1.02	1.33	34.28	20.73	1.08
4600	11.81	22.61	3.10	14.40	1.03	1.33	34.04	20.91	1.26
4700	11.60	22.53	3.06	14.26	1.04	1.34	34.43	20.84	1.20
4800	11.40	22.46	3.03	14.11	1.05	1.34	33.59	20.78	1.27
4900	11.19	22.36	2.99	13.91	1.05	1.34	34.73	20.92	1.47
5000	10.98	22.29	2.95	13.70	1.06	1.34	34.30	20.94	1.29
5100	10.77	22.24	2.91	13.52	1.07	1.34	33.44	20.87	1.36
5200	10.58	22.18	2.85	13.35	1.07	1.34	34.08	20.78	1.22
5300	10.37	22.13	2.83	13.17	1.08	1.34	33.92	20.79	1.53
5400	10.18	22.02	2.77	13.05	1.08	1.35	34.15	20.66	1.53
5500	9.98	21.99	2.74	12.93	1.09	1.35	34.06	20.46	1.63
5600	9.80	21.91	2.70	12.78	1.10	1.35	33.92	20.73	1.49
5700	9.60	21.84	2.67	12.66	1.11	1.35	34.75	20.34	1.50
5800	9.42	21.79	2.63	12.51	1.11	1.35	33.91	20.47	1.56
5900	9.23	21.72	2.59	12.31	1.11	1.35	33.61	20.62	1.75
6000	9.04	21.67	2.55	12.13	1.12	1.35	34.52	20.34	1.53