

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 = 5V, Id = 98.44 mA @ Temperature = +25degC

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)
200	6.80	47.63	3.29	2.72	13.17	0.69	26.62	13.25	6.49
300	15.41	44.15	3.57	5.80	5.33	1.08	32.17	18.67	4.23
400	20.00	43.81	4.64	8.44	4.17	1.18	33.66	20.20	3.52
500	22.35	45.60	6.26	10.90	4.99	1.15	34.08	20.62	4.27
600	23.55	45.89	8.24	13.59	5.28	1.11	33.58	20.72	3.02
700	24.23	45.95	10.03	16.60	5.37	1.08	34.36	20.63	2.93
800	24.63	45.37	11.69	19.86	5.05	1.05	33.67	20.58	2.71
1000	25.08	44.26	14.22	28.77	4.43	1.03	33.11	20.57	2.61
1100	25.21	43.65	15.21	38.39	4.11	1.02	32.98	20.48	2.61
1200	25.31	42.76	16.09	38.52	3.70	1.01	32.15	20.28	2.61
1300	25.37	42.02	16.84	30.16	3.40	1.00	32.28	20.19	2.60
1400	25.40	41.49	17.44	26.45	3.21	0.99	32.25	20.13	2.56
1500	25.38	40.89	18.09	23.86	3.01	0.98	31.81	20.08	2.59
1600	25.44	40.28	17.67	21.84	2.79	0.98	31.65	19.97	2.68
1700	25.32	39.80	18.07	21.50	2.69	0.97	31.61	20.00	2.64
1800	25.19	39.30	18.29	20.98	2.58	0.97	31.35	19.73	2.65
1900	25.06	38.98	18.25	20.11	2.52	0.96	31.08	19.76	2.62
2000	24.89	38.50	18.14	19.16	2.44	0.96	31.07	19.76	2.61
2100	24.64	37.79	17.67	19.77	2.32	0.96	30.72	19.67	2.54
2200	24.41	37.49	17.55	19.27	2.30	0.96	30.42	19.33	2.62
2300	24.18	37.33	17.42	18.72	2.31	0.96	30.64	19.47	2.70
2400	23.82	36.78	16.58	19.40	2.26	0.96	30.47	19.44	2.78
2500	23.38	37.07	15.15	20.92	2.43	0.98	30.61	19.49	2.67
2600	23.21	36.88	15.69	18.96	2.42	0.97	30.28	19.44	2.75
2700	22.55	36.26	14.01	22.47	2.42	0.99	30.49	19.32	2.80
2800	22.23	35.93	13.70	21.33	2.41	0.99	30.41	19.36	2.91
2900	21.86	35.49	13.43	20.77	2.38	0.99	30.42	19.25	2.95
3000	21.12	36.30	12.19	25.83	2.79	1.02	30.50	19.22	2.87
3100	20.82	35.31	11.93	23.05	2.57	1.02	30.25	19.10	2.90
3200	20.28	35.45	11.04	23.95	2.73	1.04	29.97	18.98	2.89
3300	19.96	34.58	10.95	22.68	2.57	1.03	30.15	19.09	2.93
3400	19.19	35.59	10.24	28.81	3.07	1.07	30.41	19.01	3.00
3500	19.03	34.41	9.83	23.46	2.73	1.06	30.03	18.85	2.97
3600	18.55	34.40	9.62	23.80	2.85	1.07	30.01	18.77	2.99
3700	18.06	34.67	9.25	24.41	3.06	1.09	30.29	18.66	3.05
3800	17.47	35.38	8.78	26.02	3.48	1.11	30.36	18.65	3.20
3900	17.19	34.74	8.63	23.49	3.33	1.11	29.97	18.50	3.18
4000	16.82	34.73	8.18	22.36	3.41	1.12	29.51	18.30	3.20
4100	16.27	34.73	7.75	25.56	3.56	1.15	29.63	18.16	3.27
4200	16.03	33.97	7.72	23.36	3.35	1.14	29.82	17.95	3.30
4300	15.67	34.39	7.47	22.70	3.61	1.15	29.52	17.93	3.34
4400	15.26	34.35	6.95	22.84	3.66	1.18	29.37	17.74	3.40
4500	15.02	34.70	6.66	21.45	3.84	1.19	29.12	17.78	3.45
4600	14.71	33.86	6.64	19.46	3.62	1.18	28.94	17.80	3.54
4700	14.35	33.24	6.53	19.41	3.49	1.18	29.32	17.58	3.60
4800	14.03	34.20	5.98	20.10	3.88	1.22	29.10	17.49	3.66
4900	13.64	33.38	6.07	18.62	3.71	1.21	28.60	17.12	3.72
5000	13.47	33.76	5.67	17.90	3.82	1.23	28.42	16.92	3.76
5100	12.94	32.25	5.73	18.09	3.45	1.22	28.30	16.57	3.88
5200	12.58	33.37	5.57	17.68	4.00	1.23	28.47	16.50	3.94
5300	12.06	33.76	5.55	16.69	4.41	1.23	28.16	15.96	4.11
5400	11.72	33.68	5.39	15.79	4.46	1.24	27.70	15.66	4.17
5500	11.14	34.54	5.40	14.25	5.18	1.22	26.96	15.45	4.36

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 = 3.9V, Id =96.61 mA @ Temperature = +25degC

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)
200	6.63	47.66	3.30	2.75	13.58	0.70	24.82	11.82	6.52
300	15.13	44.28	3.60	5.74	5.60	1.08	28.89	16.31	4.26
400	19.61	44.82	4.72	8.25	4.94	1.16	30.12	17.61	3.56
500	21.87	46.36	6.42	10.63	5.80	1.13	30.51	18.05	4.39
600	22.98	45.90	8.41	12.99	5.64	1.09	30.26	18.20	3.05
700	23.59	46.00	10.18	15.43	5.78	1.07	30.54	18.12	2.94
800	23.94	44.79	11.78	17.71	5.07	1.05	30.34	18.11	2.74
1000	24.31	43.47	14.14	21.56	4.37	1.02	30.48	18.41	2.63
1100	24.41	43.04	15.03	22.82	4.16	1.02	30.35	18.18	2.62
1200	24.47	41.61	15.73	23.48	3.55	1.01	29.92	17.94	2.63
1300	24.49	41.31	16.40	23.35	3.43	1.00	30.15	18.02	2.64
1400	24.49	40.60	16.98	22.70	3.19	0.99	30.30	18.13	2.59
1500	24.45	40.11	17.57	22.19	3.04	0.99	29.88	18.08	2.60
1600	24.48	39.49	17.08	20.42	2.82	0.98	29.92	18.00	2.74
1700	24.35	38.77	17.41	20.66	2.65	0.98	29.81	18.06	2.60
1800	24.21	38.34	17.68	20.60	2.57	0.97	29.85	18.15	2.67
1900	24.08	37.95	17.73	20.05	2.50	0.97	30.00	18.19	2.64
2000	23.91	37.35	17.59	19.62	2.39	0.96	29.79	18.14	2.64
2100	23.68	36.77	17.09	20.04	2.29	0.96	29.60	18.04	2.65
2200	23.47	36.56	16.95	20.05	2.29	0.96	29.63	18.02	2.71
2300	23.26	36.39	16.89	19.61	2.30	0.96	29.65	18.09	2.68
2400	22.93	35.91	16.18	20.40	2.26	0.97	29.70	18.15	2.72
2500	22.54	35.75	14.83	20.80	2.29	0.98	29.56	18.01	2.76
2600	22.39	35.80	15.14	19.53	2.34	0.98	29.48	17.87	2.79
2700	21.78	34.95	13.65	23.71	2.27	0.99	29.70	18.12	2.83
2800	21.50	34.78	13.39	23.06	2.29	1.00	29.62	18.03	2.79
2900	21.17	34.44	13.17	22.50	2.28	1.00	29.69	17.98	2.86
3000	20.49	35.11	11.99	27.99	2.61	1.03	29.71	17.80	2.87
3100	20.21	34.21	11.64	26.10	2.42	1.03	29.49	17.82	2.90
3200	19.72	34.09	10.81	27.58	2.49	1.05	29.53	17.85	2.88
3300	19.42	33.47	10.81	26.60	2.40	1.04	29.47	17.76	2.89
3400	18.72	34.30	10.23	28.85	2.80	1.07	29.74	17.81	2.98
3500	18.55	33.57	9.76	29.33	2.61	1.07	29.60	17.70	2.94
3600	18.11	33.15	9.48	28.90	2.60	1.08	29.35	17.63	2.96
3700	17.65	33.39	9.17	30.93	2.78	1.09	29.70	17.68	3.03
3800	17.09	33.95	8.82	40.18	3.10	1.11	29.57	17.62	3.17
3900	16.85	33.26	8.69	28.21	2.94	1.11	29.36	17.47	3.13
4000	16.49	33.29	8.28	25.64	3.02	1.12	28.99	17.20	3.18
4100	15.95	33.38	7.80	28.45	3.17	1.14	29.06	17.24	3.24
4200	15.73	32.77	7.77	24.92	3.04	1.14	29.22	17.12	3.30
4300	15.40	32.92	7.60	24.02	3.18	1.15	29.13	17.07	3.30
4400	15.01	32.93	7.14	22.90	3.24	1.17	28.62	16.76	3.40
4500	14.79	33.36	6.82	21.73	3.43	1.18	28.78	16.84	3.47
4600	14.49	32.31	6.74	19.00	3.13	1.17	28.66	16.93	3.51
4700	14.13	32.01	6.61	18.54	3.12	1.17	29.27	16.81	3.57
4800	13.83	32.52	6.11	19.34	3.32	1.21	28.75	16.58	3.65
4900	13.48	31.95	6.26	17.53	3.26	1.19	28.12	16.21	3.67
5000	13.31	32.09	5.83	16.97	3.27	1.21	27.95	15.96	3.76
5100	12.79	30.94	5.82	16.67	3.05	1.20	28.23	15.85	3.81
5200	12.46	31.75	5.63	16.56	3.40	1.22	28.24	15.80	3.90
5300	11.98	32.15	5.63	16.02	3.75	1.22	27.62	15.18	4.08
5400	11.65	32.08	5.54	15.26	3.81	1.21	26.97	14.84	4.14
5500	11.10	32.65	5.56	14.07	4.29	1.20	27.26	14.72	4.25

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 = 98.63 mA @ Temperature = +25degC

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)
200	6.82	47.24	3.28	2.71	12.49	0.69	26.76	13.34	6.49
300	15.45	44.21	3.55	5.80	5.32	1.09	32.45	19.03	4.23
400	20.06	43.85	4.61	8.46	4.15	1.18	33.60	20.59	3.56
500	22.43	45.03	6.23	10.94	4.62	1.15	34.74	21.01	4.34
600	23.64	46.12	8.21	13.63	5.36	1.11	34.16	21.12	3.03
700	24.33	45.95	9.99	16.68	5.31	1.08	34.12	21.05	2.93
800	24.74	45.55	11.67	20.02	5.09	1.05	33.79	20.97	2.74
1000	25.20	44.13	14.24	28.89	4.30	1.02	33.35	20.89	2.64
1100	25.35	43.33	15.24	35.88	3.91	1.01	33.18	20.82	2.66
1200	25.45	42.79	16.07	33.78	3.66	1.00	32.91	20.62	2.64
1300	25.52	42.24	16.88	28.47	3.43	1.00	32.41	20.51	2.61
1400	25.55	41.51	17.59	25.50	3.16	0.99	32.43	20.41	2.59
1500	25.54	41.38	18.27	23.12	3.12	0.98	32.23	20.34	2.61
1600	25.61	40.52	17.76	21.44	2.81	0.98	31.82	20.22	2.78
1700	25.50	39.75	18.11	20.98	2.62	0.97	31.75	20.22	2.61
1800	25.36	39.26	18.41	20.46	2.52	0.96	31.32	19.90	2.71
1900	25.23	38.96	18.51	19.68	2.48	0.96	31.21	19.94	2.63
2000	25.05	38.69	18.31	18.84	2.44	0.96	30.99	19.95	2.62
2100	24.81	38.04	17.76	19.39	2.34	0.96	30.80	19.84	2.64
2200	24.57	37.63	17.67	18.80	2.30	0.95	30.60	19.46	2.75
2300	24.34	37.52	17.60	18.31	2.32	0.95	30.56	19.62	2.67
2400	23.97	37.06	16.81	18.97	2.29	0.96	30.56	19.56	2.76
2500	23.52	37.41	15.26	20.60	2.48	0.98	30.58	19.66	2.78
2600	23.34	37.29	15.71	18.61	2.50	0.97	30.42	19.65	2.82
2700	22.67	36.48	14.06	21.93	2.45	0.99	30.57	19.45	2.89
2800	22.35	36.18	13.81	20.79	2.45	0.99	30.38	19.50	2.79
2900	21.97	35.68	13.58	20.38	2.41	0.99	30.51	19.41	2.81
3000	21.22	36.57	12.24	24.97	2.84	1.02	30.36	19.40	2.83
3100	20.91	35.53	11.92	22.53	2.61	1.02	30.23	19.26	2.89
3200	20.37	35.46	11.01	23.28	2.71	1.04	30.07	19.10	2.88
3300	20.04	34.80	11.01	22.14	2.61	1.03	30.27	19.25	2.89
3400	19.27	35.85	10.31	27.89	3.14	1.07	30.55	19.17	2.94
3500	19.09	34.81	9.85	22.83	2.83	1.06	30.14	18.98	2.92
3600	18.61	34.46	9.54	23.19	2.85	1.07	29.97	18.91	2.96
3700	18.12	34.89	9.17	23.75	3.11	1.09	30.25	18.77	3.01
3800	17.53	35.66	8.75	25.28	3.56	1.11	30.29	18.77	3.15
3900	17.25	34.93	8.63	23.03	3.38	1.11	29.86	18.65	3.14
4000	16.86	34.64	8.17	21.90	3.36	1.12	29.43	18.47	3.16
4100	16.30	35.07	7.66	24.87	3.66	1.15	29.47	18.31	3.21
4200	16.06	34.26	7.63	23.03	3.44	1.14	29.71	18.06	3.28
4300	15.71	34.64	7.43	22.35	3.69	1.15	29.51	18.05	3.28
4400	15.29	34.68	6.95	22.55	3.78	1.18	29.21	17.85	3.36
4500	15.06	34.95	6.63	21.16	3.93	1.19	28.93	17.87	3.42
4600	14.73	34.01	6.56	19.35	3.65	1.18	28.77	17.93	3.47
4700	14.36	33.57	6.41	19.36	3.59	1.19	29.23	17.67	3.54
4800	14.04	34.44	5.92	20.02	3.95	1.23	29.07	17.56	3.61
4900	13.67	33.50	6.06	18.54	3.75	1.21	28.44	17.24	3.67
5000	13.49	34.01	5.65	17.87	3.92	1.23	28.25	17.07	3.72
5100	12.94	32.46	5.64	18.12	3.50	1.23	28.27	16.69	3.82
5200	12.58	33.53	5.46	17.74	4.03	1.24	28.44	16.62	3.91
5300	12.07	33.92	5.46	16.62	4.44	1.24	28.03	16.09	3.99
5400	11.73	34.12	5.37	15.71	4.66	1.24	27.48	15.79	4.12
5500	11.16	34.87	5.39	14.18	5.35	1.22	27.00	15.52	4.28

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 = 5V, Id =94.34 mA @ Temperature = -45degC

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)
200	6.94	47.78	3.14	2.70	12.72	0.70	27.12	12.82	5.79
300	15.73	43.54	3.43	5.89	4.67	1.10	33.23	18.71	3.63
400	20.37	43.54	4.45	8.45	3.76	1.19	34.50	20.24	3.02
500	22.79	45.79	5.99	11.00	4.76	1.17	35.35	20.69	3.73
600	23.99	45.95	7.98	13.59	4.99	1.12	34.97	20.79	2.54
700	24.72	45.94	9.76	16.63	5.04	1.08	34.63	20.74	2.49
800	25.16	45.63	11.49	20.20	4.88	1.05	34.18	20.66	2.25
1000	25.67	44.41	14.30	27.40	4.22	1.02	33.47	20.56	2.16
1100	25.84	43.79	15.33	30.08	3.90	1.01	33.23	20.50	2.14
1200	25.97	43.09	16.16	28.96	3.57	1.00	32.40	20.34	2.15
1300	26.05	42.43	16.89	26.44	3.30	0.99	32.02	20.20	2.16
1400	26.11	41.60	17.42	24.51	3.00	0.98	32.29	20.09	2.11
1500	26.12	41.33	18.10	22.35	2.91	0.98	31.70	20.07	2.12
1600	26.22	40.75	17.74	20.72	2.69	0.97	31.49	19.93	2.25
1700	26.14	40.10	18.09	20.17	2.54	0.96	31.23	19.95	2.11
1800	26.03	39.63	18.43	19.96	2.45	0.96	31.05	19.60	2.14
1900	25.92	39.34	18.62	19.54	2.40	0.96	31.23	19.61	2.13
2000	25.75	38.86	18.51	19.05	2.32	0.95	30.93	19.67	2.11
2100	25.53	38.27	18.00	19.35	2.23	0.95	30.92	19.57	2.10
2200	25.31	37.98	17.86	18.78	2.21	0.95	30.42	19.16	2.17
2300	25.08	37.80	17.74	18.27	2.21	0.95	30.41	19.33	2.16
2400	24.69	37.54	16.90	18.96	2.24	0.95	30.56	19.30	2.28
2500	24.27	37.43	15.49	20.03	2.30	0.97	30.30	19.46	2.20
2600	24.06	37.04	15.88	18.45	2.26	0.96	30.67	19.43	2.25
2700	23.39	36.68	14.11	21.90	2.32	0.98	30.88	19.19	2.28
2800	23.06	36.17	13.86	20.98	2.27	0.98	30.58	19.31	2.23
2900	22.67	35.92	13.53	20.71	2.30	0.98	30.61	19.30	2.27
3000	21.89	36.88	12.29	26.62	2.74	1.02	30.54	19.22	2.28
3100	21.59	36.00	11.97	23.58	2.56	1.02	30.34	19.04	2.29
3200	21.03	35.79	10.99	24.25	2.61	1.04	30.36	18.87	2.31
3300	20.67	35.10	11.09	23.59	2.53	1.03	30.51	19.12	2.36
3400	20.09	35.25	10.45	25.52	2.70	1.05	30.51	19.00	2.35
3500	19.64	35.28	9.82	24.87	2.80	1.07	30.27	18.79	2.34
3600	19.21	34.85	9.47	24.15	2.78	1.07	30.23	18.75	2.36
3700	18.68	34.95	9.16	25.06	2.95	1.09	30.45	18.57	2.43
3800	18.14	36.13	8.62	24.33	3.49	1.11	30.60	18.66	2.50
3900	17.81	35.38	8.49	23.89	3.32	1.11	29.45	18.49	2.51
4000	17.43	34.46	8.09	23.53	3.09	1.12	28.43	18.26	2.56
4100	16.84	35.39	7.49	25.85	3.55	1.16	29.08	18.14	2.59
4200	16.57	34.24	7.64	24.48	3.24	1.14	29.28	17.83	2.62
4300	16.22	35.03	7.35	23.41	3.62	1.16	28.63	17.80	2.65
4400	15.88	35.44	6.78	23.39	3.82	1.19	28.07	17.64	2.69
4500	15.56	35.83	6.55	21.19	4.07	1.19	28.09	17.61	2.79
4600	15.22	33.94	6.36	20.32	3.39	1.20	28.05	17.56	2.81
4700	14.90	33.79	6.30	20.09	3.44	1.20	28.77	17.36	2.88
4800	14.59	34.40	5.88	20.44	3.69	1.23	28.30	17.28	2.94
4900	14.22	34.14	5.88	19.30	3.74	1.22	27.60	16.92	2.94
5000	14.03	34.06	5.54	18.32	3.67	1.24	27.14	16.78	3.02
5100	13.49	32.71	5.38	19.44	3.32	1.25	27.80	16.37	3.11
5200	13.19	33.46	5.17	19.07	3.65	1.27	28.23	16.23	3.18
5300	12.76	34.11	5.21	16.93	4.11	1.26	27.54	15.80	3.27
5400	12.27	34.22	5.22	16.34	4.38	1.25	26.29	15.52	3.44
5500	11.79	34.25	5.06	15.53	4.56	1.26	27.01	14.98	3.52

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 = 3.9V, Id =92.63 mA @ Temperature = -45degC

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)
200	6.81	47.05	3.16	2.71	11.89	0.70	25.96	12.10	5.80
300	15.55	44.62	3.47	5.87	5.48	1.10	30.84	16.72	3.64
400	20.12	43.90	4.55	8.39	4.10	1.18	32.14	17.98	3.02
500	22.47	46.17	6.12	10.93	5.21	1.16	33.46	18.42	3.78
600	23.61	46.17	8.10	13.47	5.37	1.11	33.25	18.56	2.54
700	24.29	46.02	9.85	16.43	5.34	1.08	33.67	18.48	2.46
800	24.69	45.89	11.51	19.89	5.30	1.06	33.47	18.47	2.24
1000	25.14	43.96	14.11	27.82	4.24	1.02	33.67	18.79	2.17
1100	25.28	43.41	15.01	34.18	3.96	1.02	33.44	18.57	2.15
1200	25.37	42.69	15.76	36.73	3.64	1.01	32.98	18.31	2.16
1300	25.43	42.31	16.33	31.21	3.48	1.00	32.76	18.39	2.12
1400	25.46	41.25	16.75	27.76	3.10	0.99	33.19	18.53	2.10
1500	25.44	40.80	17.30	24.58	2.95	0.98	32.67	18.47	2.11
1600	25.51	40.38	16.95	22.36	2.79	0.98	32.93	18.44	2.26
1700	25.42	39.60	17.22	21.71	2.59	0.97	32.79	18.51	2.08
1800	25.30	39.04	17.53	21.41	2.48	0.97	32.27	18.57	2.13
1900	25.19	38.60	17.68	20.87	2.39	0.96	32.27	18.61	2.15
2000	25.03	38.32	17.59	20.19	2.36	0.96	32.12	18.60	2.12
2100	24.83	37.89	17.11	20.40	2.30	0.96	31.92	18.52	2.12
2200	24.63	37.48	16.95	19.69	2.24	0.96	31.76	18.45	2.13
2300	24.43	37.15	16.86	19.02	2.21	0.95	31.75	18.54	2.15
2400	24.07	36.97	16.13	19.73	2.24	0.96	31.79	18.60	2.23
2500	23.71	36.94	14.89	20.50	2.31	0.98	31.69	18.47	2.17
2600	23.52	36.41	15.20	18.94	2.23	0.96	31.51	18.35	2.23
2700	22.90	35.97	13.65	22.31	2.26	0.99	31.49	18.50	2.30
2800	22.61	35.79	13.39	21.34	2.27	0.99	31.50	18.52	2.29
2900	22.26	35.39	13.11	20.91	2.26	0.99	32.00	18.48	2.32
3000	21.52	36.21	12.07	26.89	2.64	1.02	31.90	18.28	2.31
3100	21.26	35.10	11.74	23.69	2.40	1.02	31.57	18.29	2.32
3200	20.76	35.09	10.83	24.03	2.49	1.04	31.53	18.27	2.31
3300	20.42	34.52	10.98	23.47	2.44	1.03	31.57	18.19	2.30
3400	19.87	34.59	10.40	25.20	2.57	1.05	31.86	18.16	2.33
3500	19.46	34.55	9.81	24.65	2.64	1.06	31.77	18.11	2.35
3600	19.05	34.06	9.50	23.97	2.60	1.07	31.69	18.01	2.38
3700	18.55	34.32	9.24	24.92	2.80	1.08	32.07	18.05	2.44
3800	18.02	35.45	8.77	24.50	3.30	1.11	31.92	18.00	2.54
3900	17.74	34.58	8.66	23.42	3.08	1.10	32.40	17.78	2.53
4000	17.38	33.83	8.26	22.73	2.92	1.11	32.26	17.53	2.55
4100	16.80	34.63	7.72	24.68	3.31	1.14	31.98	17.63	2.62
4200	16.56	33.67	7.88	23.35	3.08	1.13	32.48	17.43	2.66
4300	16.23	34.30	7.61	22.40	3.39	1.14	32.48	17.33	2.65
4400	15.91	34.35	7.03	22.22	3.42	1.17	32.44	17.00	2.76
4500	15.62	34.82	6.81	20.13	3.67	1.17	32.51	17.08	2.78
4600	15.31	33.04	6.64	19.06	3.09	1.17	32.12	17.18	2.81
4700	15.00	32.90	6.60	18.87	3.14	1.17	32.55	17.01	2.89
4800	14.71	33.59	6.18	19.15	3.41	1.20	32.30	16.73	2.95
4900	14.36	33.35	6.18	18.05	3.44	1.20	31.88	16.36	3.00
5000	14.19	33.31	5.81	17.18	3.39	1.21	32.11	16.15	3.04
5100	13.70	32.14	5.67	17.94	3.12	1.22	31.92	16.01	3.13
5200	13.38	32.50	5.50	17.68	3.31	1.23	31.47	15.78	3.17
5300	12.97	33.34	5.47	15.87	3.76	1.23	31.45	15.22	3.28
5400	12.53	33.39	5.43	15.38	3.94	1.23	31.44	14.82	3.39
5500	12.03	33.18	5.38	14.74	4.05	1.22	29.52	14.52	3.48



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 = 94.68 mA @ Temperature = -45degC

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)
200	6.95	47.34	3.14	2.70	12.03	0.70	27.22	12.85	5.76
300	15.76	43.68	3.42	5.89	4.72	1.11	32.95	18.97	3.66
400	20.40	43.67	4.44	8.45	3.80	1.19	34.94	20.59	3.00
500	22.83	46.00	5.96	11.00	4.84	1.17	35.43	21.03	3.74
600	24.04	45.81	7.96	13.60	4.88	1.12	35.49	21.13	2.55
700	24.77	46.03	9.76	16.66	5.06	1.08	35.32	21.08	2.47
800	25.22	45.74	11.48	20.22	4.91	1.06	34.39	21.00	2.28
1000	25.74	44.62	14.32	27.06	4.28	1.02	33.80	20.80	2.18
1100	25.92	43.67	15.35	29.46	3.81	1.01	33.72	20.79	2.17
1200	26.05	43.26	16.23	28.09	3.61	1.00	32.86	20.62	2.16
1300	26.14	42.43	16.96	25.94	3.27	0.99	32.50	20.43	2.14
1400	26.20	41.86	17.50	24.12	3.06	0.98	32.52	20.27	2.10
1500	26.22	41.51	18.23	22.02	2.94	0.98	32.31	20.24	2.13
1600	26.32	41.00	17.87	20.49	2.74	0.97	31.93	20.09	2.19
1700	26.24	40.37	18.21	19.95	2.58	0.96	31.86	20.10	2.05
1800	26.12	39.51	18.58	19.76	2.39	0.95	31.39	19.66	2.12
1900	26.02	39.18	18.79	19.36	2.34	0.95	31.47	19.67	2.15
2000	25.84	38.81	18.64	18.88	2.28	0.95	31.44	19.74	2.12
2100	25.62	38.44	18.13	19.22	2.24	0.95	31.20	19.63	2.09
2200	25.40	38.11	17.99	18.66	2.22	0.95	30.79	19.22	2.17
2300	25.16	37.90	17.84	18.15	2.22	0.95	30.84	19.39	2.15
2400	24.77	37.71	17.01	18.90	2.26	0.95	31.10	19.35	2.15
2500	24.34	37.99	15.57	19.95	2.42	0.97	30.91	19.52	2.18
2600	24.13	37.22	16.02	18.36	2.28	0.96	31.29	19.51	2.24
2700	23.44	36.79	14.18	21.85	2.33	0.98	31.19	19.24	2.30
2800	23.10	36.55	13.91	20.94	2.35	0.98	31.06	19.38	2.25
2900	22.70	36.01	13.60	20.70	2.31	0.98	31.20	19.35	2.26
3000	21.92	37.05	12.30	26.65	2.78	1.02	31.09	19.31	2.35
3100	21.61	36.07	11.99	23.57	2.57	1.02	30.88	19.11	2.33
3200	21.05	35.99	11.01	24.23	2.67	1.04	30.66	18.94	2.29
3300	20.69	35.17	11.09	23.59	2.54	1.03	31.04	19.23	2.30
3400	20.09	35.53	10.46	25.56	2.78	1.05	31.12	19.08	2.34
3500	19.65	35.46	9.80	24.77	2.85	1.07	30.82	18.87	2.34
3600	19.21	35.14	9.45	24.20	2.86	1.08	30.71	18.82	2.37
3700	18.67	34.94	9.12	25.02	2.94	1.09	30.88	18.65	2.40
3800	18.13	36.27	8.58	24.26	3.54	1.12	31.18	18.75	2.52
3900	17.80	35.52	8.45	23.80	3.37	1.11	30.20	18.59	2.53
4000	17.41	34.67	8.06	23.54	3.16	1.13	29.24	18.36	2.55
4100	16.82	35.36	7.46	25.75	3.54	1.16	29.69	18.22	2.64
4200	16.55	34.46	7.57	24.56	3.32	1.15	29.91	17.91	2.63
4300	16.20	35.12	7.29	23.50	3.66	1.16	29.36	17.90	2.64
4400	15.84	35.22	6.72	23.49	3.73	1.19	28.74	17.69	2.73
4500	15.53	35.98	6.50	21.27	4.14	1.20	28.75	17.67	2.76
4600	15.19	34.03	6.31	20.43	3.43	1.20	28.71	17.69	2.79
4700	14.86	33.91	6.26	20.21	3.49	1.20	29.45	17.45	2.88
4800	14.55	34.59	5.83	20.62	3.77	1.23	29.17	17.41	2.93
4900	14.17	34.27	5.84	19.46	3.80	1.23	28.39	17.03	2.96
5000	13.99	34.30	5.50	18.47	3.78	1.24	28.02	16.89	3.03
5100	13.45	32.87	5.33	19.51	3.38	1.26	28.56	16.47	3.10
5200	13.13	33.45	5.13	19.29	3.66	1.27	29.01	16.35	3.19
5300	12.70	34.25	5.17	17.03	4.18	1.26	28.48	15.95	3.25
5400	12.21	34.40	5.18	16.47	4.48	1.26	27.17	15.68	3.40
5500	11.73	34.40	5.00	15.60	4.63	1.26	27.78	15.14	3.49



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 = 5V, Id = 100.28 mA @ Temperature = +85degC

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)
200	6.57	47.58	3.44	2.74	13.95	0.69	26.40	13.17	7.06
300	15.03	44.10	3.73	5.76	5.70	1.07	31.84	18.45	4.79
400	19.58	44.06	4.79	8.46	4.62	1.16	33.41	19.96	4.02
500	21.97	45.94	6.46	11.20	5.55	1.15	33.88	20.43	4.19
600	23.16	45.67	8.42	13.94	5.44	1.10	33.85	20.55	3.45
700	23.83	46.12	10.24	17.05	5.78	1.07	33.58	20.46	3.32
800	24.22	45.27	11.96	20.75	5.26	1.05	33.36	20.41	3.17
1000	24.67	44.01	14.78	31.61	4.53	1.02	32.99	20.51	3.06
1100	24.78	43.44	15.92	37.36	4.24	1.01	33.35	20.37	3.05
1200	24.86	42.63	16.91	30.78	3.85	1.00	32.84	20.15	3.05
1300	24.92	42.01	17.86	26.14	3.59	0.99	32.72	20.10	3.04
1400	24.91	41.55	18.84	24.26	3.42	0.99	32.21	20.10	3.01
1500	24.88	40.83	19.73	22.38	3.17	0.98	32.23	20.05	3.02
1600	24.89	40.38	19.36	21.15	3.01	0.97	32.08	19.95	3.19
1700	24.78	39.70	19.60	20.59	2.83	0.97	31.97	19.98	3.02
1800	24.63	38.98	19.84	20.28	2.66	0.96	31.40	19.78	3.05
1900	24.47	38.92	20.02	19.22	2.68	0.96	31.52	19.80	3.07
2000	24.26	38.43	19.80	18.63	2.59	0.96	31.57	19.79	3.06
2100	24.00	38.09	19.33	19.22	2.57	0.96	31.42	19.71	3.04
2200	23.75	37.61	18.97	18.82	2.51	0.96	30.92	19.43	3.10
2300	23.47	37.63	18.66	18.67	2.59	0.96	30.83	19.52	3.09
2400	23.12	37.03	17.91	18.92	2.51	0.96	31.01	19.47	3.49
2500	22.75	36.96	16.88	19.30	2.58	0.97	31.09	19.51	3.14
2600	22.39	36.51	16.35	19.31	2.55	0.97	30.83	19.42	3.23
2700	21.90	36.24	15.23	20.48	2.61	0.98	30.55	19.30	3.30
2800	21.54	35.91	14.74	19.98	2.61	0.98	30.50	19.33	3.23
2900	21.15	35.64	14.28	19.80	2.63	0.99	30.82	19.24	3.29
3000	20.60	36.18	13.35	21.30	2.94	1.01	30.79	19.16	3.33
3100	20.15	35.36	12.68	21.69	2.81	1.01	30.46	19.07	3.38
3200	19.65	35.32	11.79	21.53	2.91	1.03	30.23	18.92	3.36
3300	19.25	35.03	11.46	21.14	2.94	1.03	30.53	18.99	3.37
3400	18.81	34.28	11.50	20.85	2.84	1.03	30.60	18.86	3.38
3500	18.32	34.92	10.39	21.67	3.15	1.06	30.46	18.76	3.44
3600	17.87	34.79	9.77	21.86	3.21	1.07	30.19	18.67	3.46
3700	17.43	34.12	9.60	22.23	3.12	1.07	30.42	18.57	3.53
3800	16.90	33.27	9.81	23.44	3.03	1.07	30.35	18.48	3.64
3900	16.62	34.41	8.99	21.82	3.46	1.09	30.21	18.38	3.65
4000	16.20	34.37	8.79	21.37	3.58	1.10	30.23	18.18	3.72
4100	15.60	33.83	8.50	22.78	3.57	1.11	30.08	18.05	3.80
4200	15.32	34.09	7.85	22.03	3.69	1.14	30.10	17.89	3.83
4300	14.97	34.50	7.52	21.93	3.96	1.15	29.92	17.80	3.88
4400	14.57	34.36	7.16	22.23	4.00	1.17	29.82	17.62	3.97
4500	14.23	34.00	6.54	21.86	3.86	1.20	29.69	17.63	4.05
4600	14.13	35.06	6.21	20.13	4.28	1.21	29.42	17.63	4.10
4700	13.59	32.71	6.32	20.10	3.53	1.20	29.69	17.48	4.20
4800	13.49	34.51	5.55	20.11	4.11	1.25	29.57	17.29	4.25
4900	13.11	34.67	5.93	18.17	4.49	1.22	29.00	16.92	4.25
5000	12.61	31.08	5.75	17.61	3.15	1.21	28.89	16.69	4.46
5100	12.31	32.91	5.71	17.10	3.96	1.22	28.72	16.46	4.48
5200	11.84	32.53	5.39	17.13	3.89	1.24	28.49	16.28	4.60
5300	11.36	33.55	5.34	16.75	4.55	1.25	28.29	15.74	4.69
5400	10.89	33.55	5.45	15.38	4.81	1.23	27.74	15.34	4.91
5500	10.46	33.88	5.20	13.19	4.99	1.23	27.44	15.40	5.16



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 = 3.9V, Id = 97.36 mA @ Temperature = +85degC

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)
200	6.39	48.38	3.45	2.77	15.80	0.69	24.36	11.44	7.07
300	14.72	44.42	3.76	5.70	6.15	1.06	28.64	15.87	4.84
400	19.16	44.45	4.88	8.25	5.09	1.15	29.67	17.21	4.05
500	21.44	45.94	6.60	10.79	5.91	1.13	30.23	17.68	4.24
600	22.54	45.73	8.59	13.18	5.87	1.09	30.09	17.84	3.46
700	23.14	45.85	10.39	15.59	6.02	1.06	30.06	17.75	3.33
800	23.48	44.92	12.05	17.97	5.45	1.04	30.03	17.75	3.16
1000	23.84	42.90	14.68	21.94	4.35	1.02	30.31	18.12	3.06
1100	23.92	42.65	15.71	23.05	4.23	1.01	30.21	17.90	3.07
1200	23.96	42.00	16.62	23.46	3.94	1.00	29.68	17.61	3.04
1300	23.99	40.96	17.41	22.99	3.51	0.99	29.78	17.71	3.03
1400	23.95	40.30	18.29	22.40	3.29	0.99	30.02	17.85	3.02
1500	23.89	40.13	19.11	22.01	3.26	0.98	29.66	17.77	3.02
1600	23.89	39.39	18.79	20.55	2.99	0.98	29.68	17.73	3.16
1700	23.76	38.48	19.05	20.49	2.75	0.97	29.67	17.80	3.05
1800	23.61	37.81	19.29	20.45	2.60	0.97	29.50	17.89	3.06
1900	23.45	37.78	19.53	19.77	2.64	0.96	29.61	17.91	3.07
2000	23.25	37.28	19.37	19.16	2.55	0.96	29.47	17.89	3.07
2100	23.00	36.76	18.95	19.68	2.48	0.96	29.35	17.79	3.09
2200	22.78	36.43	18.59	19.58	2.45	0.96	29.29	17.80	3.20
2300	22.52	36.30	18.33	19.52	2.48	0.96	29.13	17.84	3.14
2400	22.21	35.84	17.65	19.93	2.43	0.97	29.44	17.92	3.27
2500	21.88	35.84	16.66	19.64	2.51	0.97	29.23	17.77	3.24
2600	21.55	35.34	16.15	20.32	2.46	0.98	28.95	17.60	3.26
2700	21.10	34.95	15.08	21.85	2.47	0.99	29.17	17.84	3.33
2800	20.77	34.65	14.59	21.85	2.46	0.99	29.00	17.74	3.26
2900	20.43	34.45	14.14	21.68	2.49	0.99	29.28	17.74	3.30
3000	19.93	34.77	13.29	22.50	2.70	1.01	29.07	17.56	3.33
3100	19.51	34.18	12.66	24.15	2.64	1.02	28.94	17.57	3.39
3200	19.05	33.91	11.77	25.29	2.66	1.03	28.83	17.62	3.37
3300	18.67	33.58	11.48	26.07	2.67	1.04	28.85	17.55	3.39
3400	18.26	33.11	11.54	24.75	2.66	1.03	28.94	17.49	3.39
3500	17.80	33.49	10.46	26.94	2.85	1.06	28.74	17.44	3.43
3600	17.39	33.35	9.88	27.12	2.90	1.07	28.59	17.39	3.48
3700	16.97	32.87	9.74	26.50	2.87	1.08	28.86	17.41	3.58
3800	16.48	32.10	9.98	24.68	2.80	1.07	28.86	17.31	3.68
3900	16.20	33.10	9.16	26.69	3.15	1.10	28.68	17.21	3.69
4000	15.80	33.02	8.98	25.88	3.24	1.10	28.45	16.89	3.74
4100	15.24	32.56	8.70	25.46	3.25	1.11	28.44	16.98	3.81
4200	14.96	32.84	8.07	24.22	3.37	1.13	28.62	16.91	3.86
4300	14.63	33.21	7.74	24.39	3.60	1.15	28.54	16.79	3.89
4400	14.25	32.86	7.37	23.15	3.55	1.16	28.22	16.52	3.95
4500	13.93	32.68	6.77	21.39	3.48	1.18	28.29	16.57	4.07
4600	13.84	33.26	6.41	20.31	3.66	1.20	28.03	16.61	4.09
4700	13.32	31.43	6.54	18.87	3.19	1.18	28.46	16.48	4.19
4800	13.21	32.73	5.75	19.87	3.54	1.23	28.20	16.24	4.26
4900	12.87	32.85	6.12	17.59	3.81	1.20	27.39	15.85	4.25
5000	12.38	30.12	5.98	16.05	2.94	1.19	27.14	15.64	4.46
5100	12.09	31.51	5.91	16.28	3.52	1.20	27.47	15.53	4.46
5200	11.65	31.03	5.57	16.24	3.42	1.22	27.44	15.42	4.60
5300	11.20	31.99	5.51	16.48	3.97	1.23	26.98	14.82	4.72
5400	10.74	31.91	5.62	15.58	4.16	1.22	26.23	14.42	4.88
5500	10.30	32.53	5.37	13.90	4.50	1.22	26.38	14.56	5.09



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 = 100.61 mA @ Temperature = +85degC

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)
200	6.59	47.88	3.44	2.74	14.43	0.69	26.64	13.26	7.05
300	15.06	43.65	3.73	5.77	5.38	1.07	32.18	18.84	4.85
400	19.62	43.91	4.79	8.50	4.52	1.17	33.75	20.41	4.04
500	22.02	45.40	6.44	11.24	5.18	1.15	34.38	20.90	4.17
600	23.23	46.13	8.41	14.00	5.70	1.10	34.23	20.99	3.43
700	23.90	45.76	10.23	17.14	5.50	1.07	34.38	20.92	3.32
800	24.31	45.05	11.97	20.86	5.08	1.05	33.72	20.85	3.17
1000	24.76	44.38	14.81	30.31	4.68	1.02	33.57	20.86	3.04
1100	24.89	43.51	15.99	32.19	4.22	1.01	33.28	20.78	3.04
1200	24.97	43.03	17.03	28.22	3.98	1.00	33.13	20.56	3.04
1300	25.03	42.44	17.99	24.88	3.71	0.99	32.89	20.47	3.07
1400	25.03	41.72	18.99	23.29	3.44	0.98	32.53	20.41	3.02
1500	25.00	41.28	19.97	21.62	3.29	0.98	32.44	20.37	3.01
1600	25.02	40.33	19.53	20.60	2.95	0.97	32.14	20.25	3.18
1700	24.90	40.13	19.83	20.06	2.92	0.97	32.15	20.28	3.01
1800	24.75	39.35	20.04	19.73	2.73	0.96	31.81	19.99	3.06
1900	24.59	39.27	20.28	18.76	2.75	0.96	31.56	20.03	3.06
2000	24.39	38.77	20.02	18.21	2.65	0.96	31.55	20.02	3.06
2100	24.11	38.23	19.57	18.80	2.58	0.96	31.53	19.92	3.06
2200	23.86	37.93	19.16	18.41	2.56	0.96	31.02	19.59	3.11
2300	23.58	37.60	18.91	18.26	2.55	0.96	30.84	19.71	3.11
2400	23.23	37.22	18.13	18.50	2.53	0.96	30.90	19.63	3.10
2500	22.85	37.22	17.02	18.98	2.63	0.97	31.17	19.73	3.17
2600	22.48	36.89	16.51	18.95	2.63	0.97	31.05	19.65	3.20
2700	21.98	36.43	15.35	20.01	2.64	0.98	30.88	19.47	3.26
2800	21.61	36.02	14.85	19.53	2.62	0.98	30.65	19.50	3.24
2900	21.22	35.68	14.39	19.34	2.62	0.98	30.83	19.41	3.28
3000	20.66	36.22	13.42	20.87	2.93	1.01	30.88	19.38	3.33
3100	20.20	35.81	12.76	21.13	2.93	1.01	30.58	19.22	3.39
3200	19.70	35.64	11.83	20.92	3.00	1.03	30.39	19.10	3.34
3300	19.29	35.15	11.51	20.53	2.96	1.03	30.72	19.17	3.39
3400	18.84	34.47	11.54	20.28	2.89	1.03	30.66	19.02	3.41
3500	18.35	34.99	10.40	21.03	3.16	1.05	30.50	18.94	3.44
3600	17.90	34.84	9.78	21.16	3.22	1.07	30.32	18.83	3.47
3700	17.45	34.32	9.59	21.61	3.18	1.07	30.43	18.70	3.55
3800	16.91	33.34	9.80	23.02	3.05	1.07	30.48	18.65	3.65
3900	16.62	34.77	8.98	21.22	3.59	1.10	30.54	18.54	3.70
4000	16.20	34.45	8.76	20.79	3.61	1.10	30.22	18.35	3.70
4100	15.60	33.96	8.47	22.23	3.62	1.11	30.03	18.15	3.80
4200	15.32	34.33	7.82	21.61	3.79	1.14	30.08	18.02	3.81
4300	14.97	34.86	7.47	21.39	4.11	1.15	30.23	17.91	3.89
4400	14.56	34.40	7.12	21.82	4.02	1.17	29.94	17.76	3.96
4500	14.22	34.37	6.51	21.61	4.01	1.20	29.91	17.79	4.05
4600	14.12	35.29	6.18	19.85	4.39	1.21	29.61	17.76	4.11
4700	13.58	32.97	6.28	20.07	3.63	1.20	29.84	17.57	4.21
4800	13.47	34.87	5.53	19.85	4.28	1.25	29.75	17.42	4.26
4900	13.09	34.90	5.90	18.13	4.61	1.22	29.19	17.05	4.25
5000	12.58	31.34	5.71	17.75	3.24	1.22	29.08	16.86	4.45
5100	12.27	33.23	5.68	17.10	4.11	1.22	28.85	16.58	4.50
5200	11.81	32.59	5.35	17.18	3.92	1.25	28.67	16.40	4.63
5300	11.31	33.80	5.31	16.69	4.69	1.25	28.41	15.84	4.73
5400	10.85	33.79	5.42	15.26	4.95	1.24	27.91	15.48	4.95
5500	10.42	34.23	5.16	13.02	5.18	1.23	27.56	15.50	5.16

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 = 2.8V, Id = 92.53 mA @ Temperature = +25degC

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)
200	6.04	47.70	3.32	2.79	14.86	0.70	15.77	6.06	6.72
300	14.29	45.58	3.72	5.63	7.34	1.05	22.25	10.42	4.35
400	18.53	45.50	4.97	7.89	6.19	1.12	23.53	11.94	3.61
500	20.57	47.16	6.78	9.88	7.46	1.10	24.42	12.63	4.24
600	21.53	46.21	8.76	11.50	6.84	1.06	24.56	12.96	3.04
700	22.03	44.91	10.46	12.85	5.98	1.04	24.65	13.04	2.94
800	22.30	44.30	11.93	13.79	5.64	1.02	24.80	13.16	2.61
1000	22.55	42.32	13.96	14.86	4.54	1.00	25.28	13.53	2.58
1100	22.60	41.40	14.70	15.13	4.11	0.99	25.10	13.38	2.60
1200	22.62	40.88	15.29	15.33	3.90	0.99	24.76	13.21	2.47
1300	22.60	40.08	15.84	15.41	3.59	0.98	25.03	13.32	2.49
1400	22.57	39.53	16.36	15.39	3.40	0.98	25.36	13.46	2.45
1500	22.50	39.07	16.92	15.47	3.27	0.97	25.17	13.42	2.40
1600	22.49	38.08	16.63	14.95	2.91	0.97	25.12	13.43	2.71
1700	22.36	37.53	17.13	15.29	2.80	0.96	25.14	13.48	2.65
1800	22.22	36.87	17.52	15.45	2.65	0.96	25.31	13.67	2.64
1900	22.09	36.54	17.69	15.39	2.60	0.96	25.49	13.73	2.65
2000	21.93	36.26	17.82	15.42	2.57	0.96	25.35	13.72	2.68
2100	21.73	35.64	17.62	15.69	2.46	0.96	25.32	13.70	2.62
2200	21.54	35.29	17.65	16.00	2.42	0.96	25.40	13.83	2.64
2300	21.36	35.01	17.65	15.88	2.39	0.95	25.49	13.91	2.68
2400	21.07	34.49	17.06	16.46	2.33	0.96	25.60	14.01	2.68
2500	20.74	34.38	15.75	16.26	2.36	0.97	25.44	13.84	2.73
2600	20.59	34.29	16.03	16.13	2.38	0.97	25.33	13.74	2.80
2700	20.07	33.53	14.61	17.93	2.32	0.98	25.94	14.23	2.87
2800	19.84	33.16	14.26	18.21	2.28	0.98	25.81	14.12	2.84
2900	19.54	32.85	13.99	18.23	2.27	0.99	25.90	14.17	2.89
3000	18.90	33.45	12.76	19.58	2.57	1.02	25.82	14.00	2.88
3100	18.67	32.66	12.40	19.92	2.41	1.02	25.84	14.16	2.96
3200	18.25	32.50	11.47	20.68	2.45	1.03	25.79	14.34	2.95
3300	17.97	31.89	11.49	20.90	2.37	1.03	25.79	14.15	2.99
3400	17.32	32.71	10.79	20.00	2.73	1.05	26.12	14.31	3.03
3500	17.17	31.73	10.41	22.32	2.49	1.06	25.93	14.35	3.05
3600	16.75	31.65	10.17	22.15	2.57	1.06	26.01	14.34	3.07
3700	16.30	31.68	9.87	22.73	2.69	1.07	26.45	14.60	3.15
3800	15.76	32.60	9.45	23.38	3.12	1.09	26.36	14.53	3.28
3900	15.55	31.99	9.19	23.14	2.97	1.10	26.20	14.43	3.26
4000	15.24	31.71	8.70	22.35	2.93	1.11	25.84	14.18	3.27
4100	14.72	31.96	8.27	21.72	3.14	1.12	25.94	14.46	3.36
4200	14.50	31.38	8.23	20.65	3.01	1.12	26.32	14.55	3.36
4300	14.17	31.56	7.97	20.45	3.16	1.13	26.07	14.42	3.42
4400	13.84	31.49	7.41	18.97	3.16	1.15	25.68	14.08	3.48
4500	13.64	31.60	7.14	18.49	3.23	1.16	25.73	14.17	3.58
4600	13.37	30.67	7.07	16.36	2.97	1.14	25.74	14.39	3.56
4700	13.01	30.34	6.95	15.88	2.96	1.14	26.14	14.38	3.67
4800	12.72	30.90	6.40	16.41	3.17	1.17	25.78	14.05	3.76
4900	12.40	30.28	6.53	15.03	3.07	1.15	25.23	13.77	3.81
5000	12.24	30.34	6.12	14.50	3.06	1.17	24.94	13.49	3.88
5100	11.74	29.34	6.12	14.19	2.90	1.16	25.26	13.73	3.93
5200	11.42	30.22	5.89	14.26	3.26	1.18	25.30	13.76	4.02
5300	10.99	30.80	5.85	13.93	3.63	1.18	24.73	13.06	4.16
5400	10.67	30.52	5.81	13.43	3.62	1.17	24.03	12.70	4.23
5500	10.08	30.97	5.88	12.72	4.05	1.16	24.14	12.94	4.41

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 = 2.66V, Id =91.51 mA @ Temperature = +25degC

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)
200	5.87	48.63	3.33	2.79	17.00	0.70	14.19	4.82	6.77
300	14.06	45.58	3.77	5.61	7.59	1.05	19.96	9.08	4.43
400	18.24	45.43	5.07	7.84	6.39	1.11	21.74	10.65	3.65
500	20.24	46.77	6.88	9.76	7.44	1.09	22.82	11.32	4.57
600	21.16	46.23	8.83	11.28	7.14	1.05	23.04	11.69	3.12
700	21.65	45.50	10.48	12.52	6.66	1.03	23.23	11.82	3.03
800	21.91	44.41	11.87	13.37	5.94	1.02	23.39	11.94	2.80
1000	22.14	42.46	13.77	14.31	4.80	1.00	23.90	12.33	2.68
1100	22.18	41.49	14.46	14.55	4.32	0.99	23.87	12.22	2.71
1200	22.19	40.48	15.00	14.74	3.88	0.99	23.51	12.08	2.67
1300	22.17	40.16	15.50	14.82	3.77	0.98	23.82	12.19	2.68
1400	22.14	39.12	15.99	14.84	3.38	0.98	24.14	12.31	2.65
1500	22.07	38.81	16.50	14.94	3.31	0.97	23.92	12.26	2.64
1600	22.05	38.17	16.29	14.50	3.07	0.97	23.96	12.31	2.75
1700	21.92	37.20	16.74	14.82	2.82	0.96	23.98	12.37	2.65
1800	21.78	36.78	17.16	15.01	2.74	0.96	24.17	12.54	2.67
1900	21.65	36.23	17.39	14.97	2.62	0.96	24.31	12.63	2.67
2000	21.49	35.83	17.59	15.02	2.56	0.95	24.20	12.62	2.72
2100	21.30	35.43	17.43	15.32	2.50	0.96	24.22	12.63	2.73
2200	21.11	34.77	17.53	15.64	2.39	0.95	24.30	12.74	2.71
2300	20.93	34.83	17.50	15.56	2.45	0.96	24.42	12.84	2.75
2400	20.66	34.37	16.97	16.09	2.40	0.96	24.58	12.93	2.74
2500	20.33	34.22	15.74	15.92	2.42	0.97	24.43	12.82	2.77
2600	20.19	34.18	15.97	15.87	2.46	0.97	24.32	12.76	2.84
2700	19.68	33.32	14.61	17.47	2.36	0.98	24.91	13.21	2.90
2800	19.45	32.97	14.29	17.78	2.33	0.99	24.81	13.18	2.87
2900	19.16	32.73	13.99	17.83	2.33	0.99	24.95	13.19	2.91
3000	18.55	33.19	12.74	19.01	2.59	1.02	24.87	13.09	2.92
3100	18.32	32.47	12.38	19.37	2.45	1.02	24.88	13.23	2.98
3200	17.91	32.36	11.46	20.09	2.50	1.03	24.90	13.46	3.02
3300	17.62	31.64	11.48	20.28	2.39	1.03	24.89	13.31	3.01
3400	17.00	32.40	10.75	19.44	2.72	1.05	25.26	13.45	3.06
3500	16.85	31.52	10.40	21.52	2.51	1.06	25.10	13.50	3.06
3600	16.43	31.34	10.13	21.40	2.56	1.06	25.10	13.49	3.12
3700	15.99	31.65	9.82	21.90	2.76	1.08	25.56	13.84	3.16
3800	15.46	32.26	9.38	22.45	3.09	1.09	25.52	13.73	3.29
3900	15.26	31.59	9.13	22.26	2.93	1.10	25.35	13.64	3.26
4000	14.95	31.33	8.64	21.61	2.89	1.11	25.13	13.44	3.29
4100	14.44	31.63	8.22	20.94	3.11	1.12	25.30	13.71	3.36
4200	14.22	30.91	8.18	19.95	2.94	1.12	25.63	13.87	3.40
4300	13.89	31.28	7.90	19.75	3.14	1.13	25.41	13.69	3.44
4400	13.57	31.09	7.36	18.39	3.10	1.15	24.99	13.34	3.54
4500	13.37	31.15	7.08	17.92	3.15	1.15	25.11	13.47	3.60
4600	13.11	30.40	7.02	15.90	2.95	1.14	25.06	13.66	3.62
4700	12.74	30.01	6.89	15.45	2.92	1.14	25.44	13.68	3.71
4800	12.45	30.62	6.34	15.87	3.14	1.17	25.11	13.39	3.80
4900	12.14	30.00	6.47	14.59	3.05	1.15	24.59	13.09	3.86
5000	11.97	30.00	6.08	14.06	3.02	1.16	24.33	12.75	3.96
5100	11.48	29.04	6.07	13.72	2.87	1.16	24.64	13.06	3.97
5200	11.16	29.85	5.83	13.80	3.19	1.17	24.72	13.18	4.03
5300	10.73	30.29	5.79	13.55	3.50	1.17	24.07	12.43	4.24
5400	10.41	30.21	5.75	13.04	3.57	1.17	23.40	12.09	4.26
5500	9.83	30.60	5.82	12.43	3.97	1.16	23.49	12.26	4.43

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, Id = 93.43 mA @ Temperature = +25degC

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)
200	6.22	48.06	3.31	2.78	15.12	0.70	18.50	7.67	6.64
300	14.53	44.91	3.67	5.66	6.53	1.06	24.33	11.89	4.39
400	18.84	45.15	4.88	7.98	5.67	1.13	25.37	13.40	3.59
500	20.94	46.71	6.66	10.05	6.76	1.11	26.06	13.98	4.52
600	21.93	46.29	8.66	11.80	6.60	1.07	26.16	14.28	3.07
700	22.46	45.15	10.40	13.35	5.88	1.04	26.14	14.32	3.00
800	22.74	44.38	11.93	14.45	5.44	1.03	26.27	14.36	2.74
1000	23.02	42.46	14.09	15.79	4.41	1.01	26.53	14.76	2.63
1100	23.08	41.56	14.89	16.08	4.00	1.00	26.49	14.57	2.65
1200	23.10	40.91	15.54	16.32	3.73	0.99	26.11	14.37	2.65
1300	23.10	40.17	16.13	16.40	3.45	0.99	26.37	14.48	2.57
1400	23.07	39.49	16.68	16.33	3.22	0.98	26.62	14.62	2.59
1500	23.01	39.01	17.27	16.37	3.09	0.97	26.34	14.56	2.57
1600	23.01	38.43	16.96	15.76	2.88	0.97	26.35	14.57	2.72
1700	22.88	37.71	17.39	16.10	2.72	0.97	26.36	14.61	2.61
1800	22.74	37.00	17.82	16.23	2.56	0.96	26.48	14.82	2.62
1900	22.60	36.41	17.98	16.13	2.44	0.96	26.59	14.87	2.61
2000	22.44	36.33	18.03	16.09	2.46	0.96	26.50	14.84	2.59
2100	22.24	35.74	17.70	16.37	2.36	0.96	26.38	14.79	2.63
2200	22.04	35.43	17.69	16.69	2.34	0.96	26.45	14.93	2.61
2300	21.85	35.11	17.69	16.52	2.30	0.95	26.51	14.96	2.66
2400	21.56	34.84	17.02	17.14	2.31	0.96	26.63	15.08	2.66
2500	21.21	34.58	15.67	16.93	2.31	0.97	26.46	14.91	2.73
2600	21.06	34.45	15.98	16.69	2.31	0.97	26.32	14.81	2.77
2700	20.52	33.87	14.51	18.80	2.30	0.98	26.97	15.27	2.86
2800	20.28	33.35	14.20	19.03	2.23	0.98	26.73	15.15	2.82
2900	19.97	33.07	13.94	18.99	2.23	0.99	26.88	15.19	2.86
3000	19.32	33.71	12.69	20.62	2.53	1.02	26.77	14.99	2.87
3100	19.08	32.93	12.36	20.98	2.38	1.02	26.78	15.13	2.95
3200	18.65	32.88	11.43	21.82	2.45	1.03	26.72	15.30	2.93
3300	18.35	32.17	11.46	22.10	2.35	1.03	26.68	15.11	2.97
3400	17.69	32.84	10.76	21.02	2.66	1.05	26.98	15.24	3.03
3500	17.54	32.18	10.41	23.75	2.52	1.06	26.90	15.26	3.01
3600	17.11	31.91	10.15	23.54	2.55	1.06	26.86	15.19	3.05
3700	16.65	32.11	9.84	24.27	2.72	1.08	27.34	15.51	3.10
3800	16.10	32.83	9.44	24.90	3.09	1.09	27.19	15.43	3.24
3900	15.89	32.22	9.19	24.64	2.94	1.10	26.94	15.29	3.24
4000	15.57	32.11	8.71	23.64	2.96	1.11	26.52	15.04	3.28
4100	15.04	32.13	8.27	23.10	3.09	1.13	26.57	15.24	3.31
4200	14.82	31.62	8.24	21.79	2.99	1.12	26.94	15.31	3.37
4300	14.49	31.87	7.99	21.60	3.16	1.13	26.63	15.24	3.39
4400	14.16	31.64	7.43	19.98	3.11	1.15	26.26	14.86	3.49
4500	13.96	31.92	7.15	19.47	3.24	1.16	26.24	14.97	3.55
4600	13.68	31.04	7.08	17.08	3.00	1.15	26.28	15.07	3.56
4700	13.32	30.73	6.96	16.59	3.00	1.15	26.70	15.09	3.64
4800	13.03	31.21	6.41	17.23	3.18	1.18	26.29	14.76	3.72
4900	12.70	30.70	6.55	15.71	3.13	1.16	25.75	14.49	3.78
5000	12.54	30.74	6.14	15.17	3.11	1.17	25.47	14.21	3.84
5100	12.03	29.64	6.13	14.86	2.92	1.17	25.69	14.36	3.90
5200	11.72	30.57	5.90	14.93	3.29	1.18	25.79	14.37	3.97
5300	11.28	31.19	5.87	14.58	3.68	1.19	25.21	13.72	4.12
5400	10.96	30.90	5.82	14.03	3.67	1.18	24.54	13.36	4.20
5500	10.38	31.51	5.91	13.21	4.19	1.17	24.54	13.40	4.39

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 = 2.8V, Id =89.86 mA @ Temperature = -45degC

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)
200	6.33	47.70	3.19	2.75	13.84	0.70	17.87	7.27	5.97
300	14.86	44.92	3.60	5.82	6.30	1.08	23.87	11.34	3.78
400	19.20	44.76	4.82	8.22	5.21	1.15	24.99	12.72	3.08
500	21.35	46.60	6.50	10.60	6.38	1.13	25.85	13.24	3.96
600	22.36	46.31	8.44	12.79	6.34	1.09	25.95	13.45	2.60
700	22.94	45.74	10.12	15.13	6.02	1.07	25.90	13.43	2.57
800	23.27	45.41	11.58	17.39	5.84	1.05	26.08	13.45	2.31
1000	23.61	43.36	13.80	21.01	4.65	1.03	26.99	13.98	2.20
1100	23.69	42.24	14.55	22.12	4.10	1.02	26.54	13.70	2.21
1200	23.74	41.75	15.14	23.06	3.89	1.01	26.11	13.43	2.17
1300	23.75	41.21	15.60	23.40	3.67	1.01	26.47	13.57	2.18
1400	23.74	40.27	15.92	22.90	3.32	1.00	26.88	13.79	2.14
1500	23.69	40.03	16.33	22.30	3.25	1.00	26.55	13.67	2.18
1600	23.72	39.09	16.05	20.77	2.92	0.99	26.65	13.71	2.21
1700	23.63	38.40	16.43	21.11	2.74	0.98	26.59	13.73	2.14
1800	23.50	37.74	16.78	21.17	2.60	0.98	27.02	14.05	2.17
1900	23.39	37.47	17.00	20.65	2.55	0.97	27.13	14.07	2.17
2000	23.24	37.04	17.17	20.06	2.48	0.97	26.91	14.01	2.17
2100	23.07	36.46	16.93	20.22	2.37	0.97	26.77	13.99	2.18
2200	22.89	36.17	16.87	19.98	2.34	0.97	27.12	14.24	2.22
2300	22.72	35.94	16.82	19.29	2.32	0.96	27.09	14.23	2.22
2400	22.42	35.65	16.21	19.88	2.32	0.97	27.26	14.28	2.34
2500	22.12	35.39	15.08	19.77	2.31	0.98	26.76	14.09	2.22
2600	21.97	35.11	15.29	19.19	2.28	0.97	26.36	13.91	2.29
2700	21.44	34.55	13.91	22.69	2.26	0.99	27.00	14.52	2.36
2800	21.21	34.16	13.63	22.19	2.22	0.99	26.91	14.43	2.33
2900	20.91	33.82	13.31	22.06	2.20	0.99	27.10	14.44	2.35
3000	20.25	34.58	12.57	27.16	2.54	1.02	26.79	14.23	2.38
3100	20.03	33.69	12.15	25.94	2.36	1.02	26.80	14.43	2.38
3200	19.59	33.64	11.01	26.87	2.41	1.04	26.93	14.73	2.36
3300	19.19	33.38	11.03	27.16	2.45	1.04	26.39	14.37	2.37
3400	18.77	33.26	10.51	28.74	2.51	1.05	26.56	14.49	2.41
3500	18.45	33.00	10.12	29.84	2.50	1.06	26.57	14.67	2.43
3600	18.06	32.66	9.92	29.29	2.51	1.06	26.41	14.65	2.44
3700	17.58	32.73	9.75	31.72	2.65	1.07	27.03	15.08	2.51
3800	17.06	33.58	9.46	37.37	3.05	1.09	26.85	14.92	2.60
3900	16.82	32.96	9.09	27.31	2.90	1.09	26.51	14.79	2.62
4000	16.46	32.35	8.65	24.72	2.77	1.10	26.34	14.61	2.64
4100	15.95	33.13	8.18	26.05	3.14	1.13	26.72	14.98	2.71
4200	15.70	32.12	8.38	23.54	2.91	1.11	27.61	15.04	2.74
4300	15.36	32.51	8.14	22.43	3.12	1.12	27.05	14.83	2.74
4400	15.15	32.76	7.36	21.42	3.17	1.15	26.54	14.31	2.80
4500	14.84	32.65	7.21	19.24	3.22	1.15	27.04	14.69	2.86
4600	14.61	31.60	7.00	17.91	2.90	1.15	26.84	14.94	2.88
4700	14.27	30.99	6.99	17.40	2.81	1.14	27.56	14.93	2.97
4800	14.00	31.67	6.61	17.65	3.06	1.17	26.52	14.46	3.01
4900	13.67	31.27	6.62	16.35	3.03	1.15	25.98	14.17	3.06
5000	13.56	31.43	6.15	15.55	3.02	1.17	25.81	13.96	3.13
5100	13.13	30.44	6.12	16.02	2.85	1.17	27.04	14.43	3.15
5200	12.76	30.63	6.03	15.61	3.00	1.18	26.83	14.29	3.25
5300	12.45	32.22	5.75	14.10	3.59	1.19	25.75	13.56	3.35
5400	12.08	32.04	5.67	13.49	3.62	1.18	24.57	13.10	3.45
5500	11.53	31.42	5.85	13.32	3.64	1.17	25.96	13.69	3.55



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 = 2.66V, Id =89.65 mA @ Temperature = -45degC

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)
200	6.18	47.33	3.20	2.76	13.53	0.70	16.18	6.03	6.03
300	14.64	45.60	3.66	5.80	7.08	1.07	22.40	10.20	3.77
400	18.92	44.57	4.92	8.18	5.32	1.14	23.62	11.64	3.13
500	21.01	47.34	6.61	10.50	7.27	1.12	24.47	12.22	4.02
600	21.99	46.72	8.51	12.59	6.93	1.08	24.63	12.47	2.62
700	22.55	46.30	10.14	14.75	6.70	1.06	24.64	12.52	2.60
800	22.86	45.34	11.53	16.75	6.05	1.05	24.75	12.56	2.32
1000	23.18	43.44	13.57	19.72	4.90	1.03	25.69	13.06	2.22
1100	23.25	42.43	14.26	20.54	4.38	1.02	25.36	12.82	2.24
1200	23.29	41.59	14.81	21.26	4.00	1.01	24.87	12.58	2.23
1300	23.30	40.88	15.21	21.60	3.70	1.01	25.29	12.72	2.20
1400	23.28	40.23	15.48	21.32	3.46	1.00	25.81	12.91	2.16
1500	23.22	39.74	15.86	21.00	3.30	1.00	25.45	12.82	2.18
1600	23.23	38.84	15.59	19.86	2.98	0.99	25.46	12.86	2.23
1700	23.14	38.32	15.97	20.25	2.85	0.99	25.48	12.87	2.12
1800	23.01	37.65	16.31	20.43	2.70	0.98	25.88	13.15	2.18
1900	22.90	37.11	16.55	20.02	2.58	0.98	25.97	13.20	2.20
2000	22.75	36.88	16.73	19.58	2.56	0.97	25.81	13.15	2.20
2100	22.58	36.39	16.57	19.78	2.47	0.97	25.71	13.13	2.19
2200	22.41	35.86	16.55	19.63	2.38	0.97	26.04	13.36	2.23
2300	22.24	35.60	16.50	19.07	2.35	0.97	26.04	13.37	2.23
2400	21.95	35.50	15.93	19.68	2.39	0.97	26.19	13.46	2.27
2500	21.66	35.33	14.89	19.47	2.40	0.98	25.71	13.24	2.24
2600	21.52	34.79	15.13	19.19	2.31	0.97	25.56	13.09	2.30
2700	21.01	34.37	13.80	22.31	2.31	0.99	26.33	13.73	2.36
2800	20.78	33.92	13.48	21.94	2.26	0.99	26.34	13.68	2.36
2900	20.50	33.55	13.14	22.03	2.23	1.00	26.41	13.68	2.39
3000	19.85	34.32	12.38	26.38	2.57	1.02	26.13	13.44	2.40
3100	19.65	33.48	11.87	25.71	2.39	1.02	26.26	13.72	2.41
3200	19.22	33.24	10.90	26.14	2.40	1.04	26.37	13.97	2.37
3300	18.90	32.74	11.09	25.62	2.36	1.03	25.99	13.67	2.40
3400	18.42	33.02	10.44	27.54	2.53	1.05	26.23	13.74	2.43
3500	18.10	32.81	10.00	28.77	2.53	1.06	26.39	13.96	2.46
3600	17.73	32.33	9.75	28.45	2.49	1.07	26.34	13.95	2.49
3700	17.26	32.70	9.58	30.35	2.72	1.08	27.07	14.35	2.58
3800	16.75	33.56	9.21	35.51	3.12	1.10	26.82	14.23	2.66
3900	16.51	32.76	8.95	26.18	2.91	1.10	26.72	14.11	2.61
4000	16.19	31.88	8.57	23.36	2.71	1.10	26.31	13.88	2.66
4100	15.66	32.79	8.11	24.73	3.11	1.13	26.86	14.29	2.73
4200	15.43	31.93	8.26	22.34	2.92	1.11	27.41	14.33	2.76
4300	15.11	32.31	8.01	21.15	3.12	1.12	26.95	14.15	2.77
4400	14.84	32.28	7.33	20.14	3.10	1.15	26.11	13.67	2.83
4500	14.58	32.46	7.16	18.24	3.22	1.15	26.50	13.93	2.88
4600	14.33	30.87	6.92	16.69	2.74	1.14	26.65	14.24	2.93
4700	14.01	30.72	6.94	16.43	2.80	1.14	27.27	14.30	2.99
4800	13.73	31.27	6.56	16.46	3.00	1.16	26.40	13.81	3.08
4900	13.43	30.98	6.55	15.46	2.99	1.15	25.82	13.48	3.09
5000	13.30	30.82	6.09	14.72	2.89	1.16	25.52	13.27	3.19
5100	12.81	30.08	6.07	14.92	2.82	1.16	26.52	13.78	3.23
5200	12.53	30.57	5.84	14.56	3.00	1.18	26.29	13.66	3.26
5300	12.18	31.60	5.78	13.25	3.44	1.17	25.37	12.97	3.40
5400	11.77	31.32	5.79	12.89	3.48	1.16	24.41	12.51	3.51
5500	11.29	30.99	5.78	12.45	3.52	1.16	25.40	13.08	3.62



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, Id = 90.45 mA @ Temperature = -45degC

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)
200	6.48	48.10	3.18	2.74	14.18	0.70	20.69	8.65	5.93
300	15.07	44.31	3.56	5.84	5.67	1.09	25.89	12.76	3.66
400	19.47	44.79	4.73	8.29	5.02	1.16	26.83	14.11	3.06
500	21.68	46.37	6.38	10.73	5.94	1.14	27.62	14.60	3.89
600	22.72	46.78	8.35	13.03	6.41	1.10	27.70	14.79	2.57
700	23.33	46.40	10.04	15.57	6.22	1.07	27.69	14.73	2.53
800	23.68	45.32	11.57	18.22	5.54	1.05	27.80	14.74	2.30
1000	24.04	43.71	13.90	22.99	4.63	1.03	28.75	15.28	2.19
1100	24.13	42.35	14.71	24.79	3.97	1.02	28.30	14.96	2.17
1200	24.20	41.85	15.34	26.39	3.76	1.01	27.74	14.71	2.22
1300	24.22	41.26	15.85	26.76	3.52	1.01	28.04	14.85	2.16
1400	24.22	40.61	16.18	25.60	3.28	1.00	28.50	15.06	2.12
1500	24.18	40.02	16.62	24.20	3.10	0.99	28.19	14.96	2.14
1600	24.21	39.53	16.32	22.09	2.91	0.99	28.20	14.98	2.28
1700	24.12	38.63	16.69	22.19	2.68	0.98	28.23	15.04	2.13
1800	24.00	38.10	17.06	22.12	2.57	0.98	28.56	15.34	2.17
1900	23.89	37.70	17.25	21.45	2.49	0.97	28.65	15.36	2.16
2000	23.73	37.58	17.33	20.72	2.50	0.97	28.46	15.29	2.16
2100	23.56	36.55	17.05	20.84	2.28	0.96	28.18	15.25	2.15
2200	23.39	36.40	16.97	20.35	2.28	0.96	28.47	15.48	2.20
2300	23.21	35.98	16.97	19.53	2.22	0.96	28.40	15.49	2.20
2400	22.89	36.01	16.26	20.27	2.30	0.97	28.62	15.58	2.10
2500	22.58	35.61	15.10	20.29	2.25	0.98	28.16	15.36	2.21
2600	22.43	35.36	15.45	19.45	2.24	0.97	27.64	15.22	2.28
2700	21.87	34.67	13.94	23.27	2.19	0.99	28.29	15.76	2.35
2800	21.62	34.32	13.66	22.46	2.16	0.99	28.28	15.67	2.30
2900	21.32	34.00	13.38	22.29	2.15	0.99	28.47	15.66	2.32
3000	20.60	35.07	12.50	29.12	2.58	1.02	28.14	15.40	2.40
3100	20.39	33.99	12.10	27.03	2.34	1.02	28.12	15.63	2.37
3200	19.95	33.85	11.08	27.33	2.38	1.03	28.31	15.85	2.35
3300	19.62	33.23	11.34	26.77	2.32	1.03	27.75	15.53	2.34
3400	19.11	33.47	10.62	29.66	2.48	1.05	27.93	15.57	2.38
3500	18.75	33.18	10.23	30.57	2.48	1.06	27.88	15.77	2.41
3600	18.36	32.91	9.98	30.12	2.50	1.06	27.69	15.69	2.46
3700	17.86	33.05	9.81	33.02	2.67	1.07	28.29	16.05	2.52
3800	17.33	34.19	9.36	33.04	3.16	1.09	28.13	15.83	2.56
3900	17.09	33.45	9.10	28.22	2.97	1.09	27.98	15.77	2.59
4000	16.78	32.72	8.67	25.30	2.79	1.10	27.80	15.57	2.62
4100	16.21	33.56	8.18	28.12	3.20	1.13	28.09	15.86	2.70
4200	15.97	32.46	8.41	25.22	2.94	1.11	28.92	15.95	2.72
4300	15.65	33.14	8.06	24.03	3.24	1.13	28.60	15.72	2.72
4400	15.39	33.25	7.35	22.89	3.27	1.15	28.11	15.20	2.77
4500	15.13	33.55	7.18	20.35	3.44	1.16	28.38	15.55	2.82
4600	14.88	31.60	7.02	18.39	2.82	1.15	28.25	15.75	2.88
4700	14.55	31.54	7.02	18.31	2.91	1.15	29.01	15.73	2.92
4800	14.27	32.14	6.60	18.59	3.13	1.17	27.96	15.25	2.99
4900	13.95	31.90	6.57	17.43	3.15	1.17	27.51	14.99	3.02
5000	13.83	31.79	6.18	16.43	3.07	1.18	27.36	14.77	3.10
5100	13.33	30.75	6.12	16.96	2.89	1.18	28.48	15.12	3.16
5200	13.04	31.34	5.83	16.74	3.11	1.20	28.16	14.97	3.20
5300	12.69	32.31	5.81	15.14	3.56	1.20	27.08	14.24	3.34
5400	12.27	32.10	5.83	14.73	3.64	1.19	26.06	13.75	3.44
5500	11.78	31.58	5.81	14.22	3.61	1.19	27.16	14.17	3.52



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 = 2.8V, Id = 92.95mA @ Temperature = +85degC

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)
200	5.73	48.71	3.48	2.80	18.01	0.70	14.81	5.27	7.31
300	13.80	45.43	3.91	5.59	7.87	1.04	21.22	9.50	5.00
400	17.96	45.35	5.17	7.88	6.63	1.11	22.86	11.08	4.19
500	20.02	46.72	6.99	10.01	7.68	1.09	23.82	11.79	4.39
600	20.97	46.31	8.92	11.67	7.45	1.06	24.05	12.15	3.53
700	21.46	45.43	10.57	13.03	6.82	1.04	24.22	12.27	3.43
800	21.72	44.47	11.99	14.05	6.16	1.02	24.34	12.39	3.23
1000	21.97	42.45	14.06	15.31	4.95	1.00	24.83	12.80	3.11
1100	22.01	41.56	14.87	15.61	4.50	1.00	24.72	12.66	3.12
1200	22.02	40.95	15.52	15.83	4.22	0.99	24.42	12.49	3.11
1300	22.01	39.99	16.08	15.91	3.82	0.99	24.64	12.62	3.12
1400	21.95	39.11	16.76	15.93	3.50	0.98	24.98	12.78	3.09
1500	21.87	38.80	17.42	16.10	3.43	0.98	24.77	12.72	3.09
1600	21.83	38.24	17.37	15.66	3.22	0.97	24.79	12.77	3.23
1700	21.71	37.41	17.76	15.80	2.99	0.97	24.82	12.81	3.10
1800	21.56	36.82	18.14	15.97	2.86	0.96	24.94	12.99	3.15
1900	21.40	36.57	18.55	15.91	2.83	0.96	25.04	13.04	3.14
2000	21.23	36.17	18.82	15.72	2.76	0.96	25.03	13.06	3.17
2100	21.00	35.53	18.70	16.05	2.64	0.96	24.98	13.03	3.19
2200	20.80	35.01	18.58	16.21	2.55	0.96	25.00	13.14	3.22
2300	20.58	34.83	18.42	16.33	2.57	0.96	25.14	13.23	3.22
2400	20.32	34.41	18.08	16.62	2.52	0.96	25.34	13.38	3.15
2500	20.03	34.40	17.26	16.28	2.58	0.96	25.17	13.20	3.24
2600	19.74	33.91	16.76	16.94	2.53	0.97	25.09	13.16	3.30
2700	19.35	33.59	15.72	17.78	2.55	0.98	25.45	13.55	3.38
2800	19.06	33.19	15.19	18.21	2.51	0.98	25.47	13.54	3.34
2900	18.76	32.83	14.67	18.37	2.49	0.99	25.70	13.62	3.35
3000	18.32	33.06	13.75	18.46	2.65	1.00	25.54	13.44	3.44
3100	17.94	32.72	13.13	19.54	2.65	1.01	25.49	13.56	3.49
3200	17.55	32.44	12.26	20.64	2.66	1.02	25.49	13.79	3.44
3300	17.19	32.10	11.94	21.57	2.66	1.03	25.54	13.64	3.50
3400	16.79	31.79	11.89	21.39	2.69	1.03	25.73	13.72	3.51
3500	16.40	31.98	10.85	22.19	2.81	1.05	25.63	13.77	3.56
3600	16.02	31.75	10.26	22.31	2.82	1.07	25.65	13.82	3.61
3700	15.62	31.32	10.13	21.65	2.80	1.07	25.99	14.08	3.67
3800	15.15	30.75	10.27	20.12	2.78	1.06	25.88	14.01	3.80
3900	14.90	31.60	9.52	22.64	3.09	1.09	25.82	13.91	3.83
4000	14.51	31.57	9.28	22.52	3.20	1.09	25.58	13.58	3.86
4100	13.98	31.32	8.88	21.21	3.25	1.10	25.70	13.98	3.92
4200	13.73	31.31	8.30	20.10	3.27	1.12	25.90	14.03	4.01
4300	13.41	31.68	7.94	20.13	3.48	1.13	25.73	13.90	4.03
4400	13.07	31.39	7.54	18.86	3.43	1.14	25.38	13.56	4.11
4500	12.79	31.00	6.96	17.43	3.28	1.16	25.37	13.65	4.19
4600	12.70	31.22	6.64	16.67	3.32	1.17	25.31	13.78	4.22
4700	12.19	29.73	6.75	15.47	2.99	1.15	25.72	13.85	4.35
4800	12.07	30.65	6.00	16.17	3.22	1.19	25.48	13.58	4.41
4900	11.77	30.81	6.29	14.84	3.43	1.17	24.81	13.19	4.41
5000	11.32	28.88	6.22	13.32	2.87	1.15	24.56	12.97	4.64
5100	11.02	29.77	6.10	13.72	3.27	1.16	24.93	13.29	4.59
5200	10.59	29.46	5.77	13.66	3.24	1.18	24.84	13.22	4.76
5300	10.16	30.24	5.70	13.99	3.69	1.19	24.43	12.61	4.93
5400	9.71	30.33	5.84	13.51	3.95	1.18	23.68	12.19	5.03
5500	9.24	31.21	5.59	12.60	4.43	1.18	23.76	12.34	5.28

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 = 2.66V, Id = 92.34 mA @ Temperature = +85degC

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)
200	5.52	48.93	3.50	2.80	19.00	0.69	13.45	3.62	7.41
300	13.53	45.20	3.97	5.57	7.98	1.03	18.56	8.00	5.04
400	17.61	45.74	5.27	7.81	7.29	1.10	20.58	9.55	4.21
500	19.61	46.57	7.09	9.88	7.94	1.08	21.84	10.36	4.45
600	20.54	45.52	8.96	11.44	7.14	1.05	22.25	10.72	3.56
700	21.00	45.24	10.53	12.68	6.99	1.03	22.46	10.87	3.47
800	21.25	44.02	11.83	13.59	6.13	1.02	22.70	11.00	3.27
1000	21.49	42.53	13.68	14.72	5.23	1.00	23.33	11.43	3.14
1100	21.52	41.41	14.39	15.00	4.64	1.00	23.27	11.30	3.16
1200	21.52	40.55	14.98	15.23	4.24	0.99	22.92	11.19	3.14
1300	21.50	40.00	15.43	15.32	4.01	0.99	23.19	11.32	3.11
1400	21.44	39.15	16.06	15.37	3.69	0.98	23.58	11.45	3.10
1500	21.36	38.74	16.68	15.55	3.57	0.98	23.39	11.43	3.11
1600	21.32	37.88	16.66	15.22	3.26	0.97	23.34	11.46	3.28
1700	21.20	37.29	17.04	15.37	3.10	0.97	23.45	11.53	3.12
1800	21.05	36.77	17.44	15.53	2.99	0.97	23.58	11.72	3.13
1900	20.90	36.33	17.89	15.51	2.90	0.96	23.70	11.77	3.17
2000	20.73	35.98	18.19	15.38	2.84	0.96	23.71	11.83	3.19
2100	20.51	35.40	18.17	15.68	2.74	0.96	23.68	11.79	3.20
2200	20.32	34.81	18.13	15.83	2.63	0.96	23.79	11.92	3.22
2300	20.10	34.51	18.05	16.02	2.61	0.96	23.91	11.99	3.22
2400	19.84	34.31	17.80	16.29	2.62	0.96	24.09	12.13	3.39
2500	19.56	34.21	17.04	16.02	2.66	0.97	24.01	12.07	3.27
2600	19.28	33.68	16.60	16.61	2.59	0.97	23.97	12.01	3.31
2700	18.90	33.27	15.63	17.39	2.57	0.98	24.32	12.41	3.40
2800	18.63	33.04	15.07	17.83	2.58	0.98	24.36	12.43	3.39
2900	18.34	32.64	14.58	17.97	2.54	0.99	24.56	12.51	3.43
3000	17.91	32.92	13.67	18.13	2.72	1.00	24.50	12.38	3.45
3100	17.54	32.42	13.04	19.12	2.67	1.01	24.47	12.49	3.52
3200	17.15	32.28	12.19	20.12	2.72	1.03	24.45	12.74	3.47
3300	16.81	31.89	11.87	20.97	2.70	1.03	24.52	12.66	3.53
3400	16.42	31.57	11.78	20.81	2.72	1.03	24.74	12.75	3.52
3500	16.03	31.62	10.76	21.51	2.80	1.05	24.73	12.83	3.59
3600	15.66	31.55	10.19	21.56	2.86	1.07	24.77	12.84	3.66
3700	15.27	31.02	10.04	20.96	2.81	1.07	25.06	13.15	3.72
3800	14.81	30.52	10.15	19.61	2.80	1.06	25.01	13.10	3.83
3900	14.56	31.33	9.43	21.81	3.10	1.09	24.95	12.98	3.85
4000	14.18	31.36	9.18	21.63	3.22	1.09	24.69	12.75	3.89
4100	13.66	31.19	8.78	20.44	3.30	1.10	24.87	13.09	3.98
4200	13.41	31.01	8.21	19.40	3.25	1.12	25.11	13.17	4.04
4300	13.10	31.29	7.86	19.34	3.43	1.13	24.89	13.08	4.05
4400	12.75	31.12	7.47	18.15	3.43	1.14	24.56	12.75	4.17
4500	12.48	30.64	6.90	16.79	3.24	1.16	24.58	12.86	4.24
4600	12.38	30.76	6.57	16.05	3.25	1.17	24.49	13.04	4.24
4700	11.88	29.43	6.69	14.94	2.98	1.15	24.87	13.07	4.39
4800	11.75	30.28	5.95	15.53	3.18	1.19	24.67	12.78	4.49
4900	11.46	30.61	6.24	14.29	3.45	1.16	24.01	12.40	4.47
5000	11.01	28.75	6.17	12.86	2.91	1.14	23.81	12.21	4.71
5100	10.72	29.43	6.05	13.21	3.24	1.15	24.17	12.51	4.65
5200	10.28	29.30	5.70	13.14	3.27	1.17	24.16	12.48	4.83
5300	9.86	29.78	5.64	13.43	3.60	1.18	23.72	11.94	5.00
5400	9.41	30.06	5.77	12.95	3.92	1.17	22.91	11.42	5.13
5500	8.92	30.82	5.54	12.14	4.36	1.18	22.96	11.65	5.36

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, Id = 93.82 mA @ Temperature = +85degC

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)
200	5.94	47.73	3.46	2.80	15.58	0.70	17.35	6.97	7.24
300	14.09	45.21	3.84	5.62	7.35	1.04	23.77	11.26	4.92
400	18.32	45.18	5.06	7.97	6.19	1.12	25.05	12.77	4.14
500	20.44	46.42	6.87	10.18	7.04	1.10	25.85	13.45	4.32
600	21.43	46.39	8.83	11.98	7.15	1.07	25.94	13.73	3.51
700	21.94	45.25	10.55	13.51	6.35	1.04	25.93	13.80	3.39
800	22.22	44.22	12.07	14.72	5.70	1.03	25.99	13.85	3.22
1000	22.49	42.56	14.35	16.19	4.76	1.01	26.40	14.30	3.09
1100	22.54	41.53	15.24	16.55	4.26	1.00	26.36	14.10	3.10
1200	22.56	40.86	15.98	16.81	3.97	0.99	26.01	13.88	3.09
1300	22.55	40.33	16.58	16.86	3.76	0.99	26.17	14.02	3.09
1400	22.49	39.22	17.36	16.84	3.36	0.98	26.47	14.18	3.07
1500	22.42	39.05	18.08	16.95	3.34	0.98	26.20	14.10	3.08
1600	22.39	38.23	17.97	16.42	3.05	0.97	26.18	14.13	3.19
1700	22.26	37.46	18.35	16.57	2.85	0.97	26.20	14.18	3.08
1800	22.11	36.99	18.71	16.68	2.76	0.96	26.33	14.38	3.09
1900	21.95	36.69	19.12	16.57	2.72	0.96	26.38	14.42	3.12
2000	21.77	36.21	19.23	16.31	2.63	0.96	26.37	14.41	3.14
2100	21.54	35.82	19.00	16.65	2.58	0.96	26.29	14.35	3.14
2200	21.34	35.46	18.81	16.77	2.54	0.96	26.35	14.47	3.19
2300	21.11	35.12	18.61	16.90	2.51	0.96	26.34	14.54	3.18
2400	20.83	34.65	18.16	17.22	2.46	0.96	26.48	14.65	3.14
2500	20.53	34.62	17.28	16.84	2.51	0.96	26.37	14.50	3.25
2600	20.23	34.06	16.75	17.52	2.45	0.97	26.26	14.34	3.28
2700	19.82	33.74	15.68	18.48	2.46	0.98	26.62	14.79	3.36
2800	19.53	33.43	15.12	18.88	2.46	0.98	26.58	14.76	3.30
2900	19.22	32.98	14.63	19.04	2.41	0.99	26.79	14.79	3.37
3000	18.76	33.42	13.73	19.18	2.63	1.00	26.56	14.59	3.40
3100	18.37	33.01	13.12	20.38	2.62	1.01	26.55	14.73	3.45
3200	17.96	32.63	12.25	21.56	2.60	1.02	26.46	14.89	3.44
3300	17.60	32.38	11.93	22.66	2.63	1.03	26.48	14.69	3.47
3400	17.19	32.07	11.91	22.33	2.66	1.03	26.69	14.82	3.49
3500	16.79	32.30	10.85	23.35	2.80	1.05	26.62	14.83	3.53
3600	16.40	32.12	10.26	23.45	2.82	1.07	26.56	14.84	3.57
3700	16.00	31.68	10.15	22.69	2.80	1.07	26.94	15.06	3.65
3800	15.52	31.03	10.33	20.90	2.76	1.06	26.87	15.01	3.77
3900	15.26	31.90	9.54	23.82	3.07	1.09	26.73	14.91	3.77
4000	14.87	32.01	9.32	23.69	3.23	1.09	26.36	14.58	3.81
4100	14.33	31.69	8.93	22.25	3.27	1.10	26.54	14.83	3.91
4200	14.08	31.77	8.33	21.17	3.32	1.12	26.64	14.89	3.93
4300	13.76	32.00	7.97	21.21	3.48	1.13	26.45	14.75	4.00
4400	13.41	31.73	7.57	19.79	3.44	1.14	26.10	14.43	4.10
4500	13.13	31.44	6.98	18.32	3.33	1.16	26.11	14.48	4.13
4600	13.04	31.61	6.65	17.49	3.35	1.17	26.07	14.65	4.18
4700	12.52	30.14	6.77	16.18	3.03	1.15	26.49	14.67	4.30
4800	12.41	31.01	6.01	17.04	3.24	1.20	26.22	14.40	4.37
4900	12.10	31.27	6.32	15.53	3.51	1.17	25.56	14.05	4.35
5000	11.64	29.16	6.23	13.92	2.88	1.15	25.32	13.76	4.59
5100	11.34	30.12	6.13	14.38	3.30	1.17	25.62	13.96	4.53
5200	10.91	29.86	5.78	14.32	3.29	1.18	25.54	13.95	4.70
5300	10.48	30.59	5.71	14.72	3.72	1.20	25.13	13.24	4.86
5400	10.03	30.70	5.86	14.16	3.99	1.18	24.45	12.87	4.98
5500	9.56	31.52	5.60	13.11	4.45	1.19	24.50	13.08	5.21

