

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 = 5.00V, Id = 27.19mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	16.98	35.12	7.01	8.34	2.83	1.01	21.43	10.36	3.67
600.0	18.85	35.43	9.09	11.06	2.86	1.00	22.79	11.09	3.69
700.0	20.02	35.86	11.45	13.58	2.88	0.98	22.64	11.10	3.52
800.0	20.80	36.27	13.63	15.50	2.88	0.97	22.14	10.68	3.48
900.0	21.29	36.60	14.79	16.58	2.85	0.98	21.92	10.53	3.47
1000.0	21.63	36.91	14.56	16.86	2.82	0.99	21.01	9.93	3.43
1100.0	21.88	37.02	13.90	16.91	2.75	1.00	20.96	9.71	3.47
1200.0	22.01	37.16	13.05	16.55	2.72	1.01	20.42	9.23	3.51
1300.0	22.11	37.20	12.68	16.02	2.67	1.01	20.40	8.81	3.53
1400.0	22.17	37.39	12.65	15.62	2.70	1.01	20.09	8.80	3.54
1500.0	22.17	37.49	12.86	15.24	2.73	1.00	19.64	8.48	3.57
1600.0	22.12	37.64	13.67	14.97	2.81	0.99	19.61	8.40	3.60
1700.0	22.05	37.94	14.89	13.91	2.94	0.98	19.34	8.20	3.65
1800.0	21.80	38.24	17.20	14.26	3.18	0.97	19.55	8.37	3.69
1900.0	21.56	38.46	20.50	14.07	3.39	0.95	19.31	8.24	3.72
2000.0	21.24	38.84	26.85	13.88	3.69	0.95	19.02	7.95	3.70
2100.0	20.79	39.59	29.86	13.53	4.22	0.94	19.33	8.27	3.74
2200.0	20.29	40.50	21.01	13.57	4.92	0.95	19.06	8.01	3.81
2300.0	19.74	41.35	16.50	13.50	5.69	0.96	19.48	8.40	3.86
2400.0	19.10	42.71	13.51	13.39	6.99	0.99	19.87	8.85	3.92
2500.0	18.36	43.82	11.39	12.96	8.34	1.01	20.06	8.69	4.03
2600.0	17.45	45.06	9.65	12.50	10.19	1.04	20.31	8.93	4.16
2700.0	16.77	48.11	8.50	12.68	15.09	1.07	20.60	9.15	4.25
2800.0	15.84	48.69	7.52	12.09	17.00	1.10	20.82	9.22	4.27
2900.0	14.77	45.98	6.60	11.23	13.17	1.12	20.53	9.05	4.40
3000.0	13.71	43.62	5.52	10.45	10.30	1.16	20.59	8.88	4.51
3100.0	13.07	43.96	4.99	10.49	10.92	1.20	20.75	9.04	4.60
3200.0	12.07	40.87	4.30	9.72	7.76	1.22	20.82	8.63	4.83
3300.0	11.46	40.60	3.62	9.51	7.26	1.27	20.86	8.44	4.90
3400.0	10.94	41.73	3.23	9.54	8.18	1.31	21.21	8.98	5.06
3500.0	10.33	43.15	3.02	9.47	9.82	1.33	21.24	9.02	5.19
3600.0	9.67	43.15	2.76	9.20	9.87	1.34	21.42	9.36	5.33
3700.0	9.04	44.13	2.55	9.03	11.20	1.36	21.77	9.51	5.46
3800.0	8.40	45.36	2.41	8.84	13.18	1.36	22.17	9.85	5.62
3900.0	7.74	45.84	2.28	8.57	14.30	1.37	22.31	10.16	5.85
4000.0	7.10	46.69	2.16	8.35	16.13	1.37	22.61	10.06	5.88

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 = 3.90V, Id = 25.99mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	16.70	35.28	6.98	8.31	2.96	1.01	20.64	9.68	3.69
600.0	18.53	35.58	9.06	10.86	3.00	0.99	21.95	10.31	3.72
700.0	19.67	35.99	11.39	13.07	3.02	0.98	21.72	10.28	3.54
800.0	20.41	36.34	13.50	14.58	3.00	0.97	21.32	9.82	3.49
900.0	20.88	36.59	14.59	15.35	2.95	0.97	21.21	9.70	3.48
1000.0	21.20	36.82	14.40	15.52	2.90	0.98	20.17	9.06	3.45
1100.0	21.42	36.82	13.81	15.56	2.81	0.99	20.18	8.86	3.50
1200.0	21.53	36.86	13.02	15.28	2.75	1.00	19.61	8.38	3.50
1300.0	21.62	36.83	12.70	14.85	2.68	1.00	19.66	7.95	3.51
1400.0	21.67	36.92	12.67	14.46	2.68	1.00	19.29	7.91	3.56
1500.0	21.67	36.91	12.89	14.08	2.68	1.00	18.88	7.60	3.59
1600.0	21.62	36.94	13.65	13.76	2.72	0.98	18.89	7.55	3.65
1700.0	21.55	37.20	14.82	12.77	2.82	0.96	18.68	7.33	3.64
1800.0	21.31	37.33	17.03	12.94	2.99	0.95	18.76	7.49	3.73
1900.0	21.10	37.41	20.14	12.65	3.12	0.94	18.66	7.34	3.70
2000.0	20.80	37.64	26.12	12.36	3.33	0.93	18.31	7.05	3.75
2100.0	20.38	38.20	31.87	11.96	3.71	0.92	18.54	7.37	3.75
2200.0	19.91	38.85	21.82	11.88	4.19	0.92	18.26	7.11	3.83
2300.0	19.40	39.45	16.95	11.71	4.68	0.93	18.70	7.46	3.86
2400.0	18.78	40.44	13.80	11.54	5.49	0.95	19.03	7.92	3.93
2500.0	18.06	41.27	11.56	11.14	6.31	0.97	19.17	7.75	4.07
2600.0	17.18	42.18	9.75	10.79	7.41	1.00	19.47	7.99	4.18
2700.0	16.50	44.30	8.54	10.88	9.81	1.04	19.65	8.26	4.26
2800.0	15.58	45.27	7.50	10.40	11.52	1.06	19.85	8.32	4.31
2900.0	14.52	44.31	6.56	9.75	10.88	1.08	19.65	8.17	4.45
3000.0	13.47	42.41	5.49	9.28	8.97	1.12	19.67	8.00	4.52
3100.0	12.82	43.22	4.93	9.30	10.02	1.16	19.84	8.19	4.63
3200.0	11.82	40.60	4.23	8.72	7.50	1.18	19.87	7.80	4.86
3300.0	11.21	40.12	3.56	8.64	6.88	1.23	19.97	7.59	4.92
3400.0	10.66	41.07	3.17	8.68	7.60	1.27	20.32	8.15	5.10
3500.0	10.02	42.38	2.95	8.58	9.01	1.29	20.34	8.23	5.24
3600.0	9.33	42.52	2.69	8.32	9.20	1.30	20.52	8.58	5.39
3700.0	8.66	43.37	2.50	8.15	10.30	1.32	20.86	8.75	5.55
3800.0	7.99	44.49	2.35	7.94	11.95	1.32	21.22	9.06	5.68
3900.0	7.29	45.09	2.21	7.67	13.12	1.32	21.44	9.40	5.92
4000.0	6.61	45.88	2.09	7.45	14.70	1.32	21.70	9.28	5.97

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 = 27.56mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	17.03	35.09	7.02	8.35	2.80	1.01	21.66	10.50	3.64
600.0	18.91	35.39	9.09	11.10	2.83	1.00	22.98	11.23	3.71
700.0	20.09	35.83	11.46	13.69	2.86	0.98	22.71	11.25	3.51
800.0	20.87	36.25	13.66	15.73	2.85	0.98	22.24	10.85	3.44
900.0	21.37	36.59	14.82	16.90	2.83	0.98	22.21	10.70	3.45
1000.0	21.72	36.91	14.60	17.22	2.80	0.99	21.05	10.09	3.46
1100.0	21.96	37.04	13.92	17.25	2.74	1.00	21.06	9.88	3.45
1200.0	22.10	37.22	13.05	16.87	2.71	1.01	20.59	9.40	3.52
1300.0	22.20	37.28	12.69	16.31	2.67	1.01	20.52	8.96	3.50
1400.0	22.27	37.50	12.66	15.92	2.71	1.01	20.23	8.92	3.55
1500.0	22.27	37.63	12.85	15.55	2.75	1.01	19.78	8.61	3.58
1600.0	22.22	37.77	13.68	15.29	2.83	1.00	19.82	8.57	3.63
1700.0	22.15	38.09	14.92	14.22	2.96	0.98	19.54	8.35	3.64
1800.0	21.89	38.46	17.30	14.63	3.24	0.97	19.66	8.52	3.67
1900.0	21.65	38.70	20.62	14.46	3.46	0.96	19.54	8.39	3.70
2000.0	21.32	39.13	27.20	14.31	3.79	0.95	19.20	8.12	3.70
2100.0	20.86	39.93	29.39	13.97	4.37	0.95	19.52	8.45	3.74
2200.0	20.35	40.86	20.76	14.04	5.12	0.96	19.28	8.17	3.82
2300.0	19.80	41.78	16.38	14.00	5.96	0.97	19.74	8.56	3.84
2400.0	19.15	43.25	13.44	13.90	7.41	0.99	20.11	9.01	3.93
2500.0	18.41	44.57	11.34	13.49	9.07	1.02	20.24	8.83	4.02
2600.0	17.49	45.77	9.60	12.95	11.05	1.05	20.50	9.09	4.16
2700.0	16.81	49.25	8.48	13.16	17.18	1.08	20.72	9.33	4.24
2800.0	15.88	49.49	7.51	12.54	18.66	1.11	20.96	9.39	4.27
2900.0	14.81	46.20	6.61	11.62	13.53	1.13	20.76	9.23	4.42
3000.0	13.74	43.78	5.52	10.74	10.51	1.17	20.82	9.05	4.50
3100.0	13.10	44.02	5.00	10.78	11.01	1.21	20.97	9.20	4.59
3200.0	12.10	40.89	4.31	9.96	7.79	1.23	21.01	8.80	4.80
3300.0	11.50	40.66	3.64	9.70	7.33	1.28	21.06	8.59	4.90
3400.0	10.98	41.86	3.24	9.73	8.29	1.31	21.46	9.13	5.03
3500.0	10.38	43.33	3.03	9.67	10.03	1.33	21.44	9.19	5.19
3600.0	9.72	43.25	2.77	9.39	9.99	1.35	21.61	9.51	5.33
3700.0	9.10	44.29	2.57	9.23	11.43	1.36	21.93	9.64	5.46
3800.0	8.47	45.54	2.42	9.05	13.48	1.37	22.30	10.00	5.62
3900.0	7.81	46.02	2.29	8.77	14.60	1.38	22.58	10.31	5.82
4000.0	7.18	46.83	2.16	8.56	16.37	1.38	22.82	10.19	5.82

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.00V, Id = 26.83mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	17.54	35.35	6.96	8.22	2.70	1.00	21.75	10.49	2.91
600.0	19.39	35.75	9.11	10.82	2.78	0.99	23.15	11.13	3.51
700.0	20.56	36.27	11.48	13.22	2.83	0.98	22.88	11.13	2.82
800.0	21.35	36.70	13.83	15.15	2.84	0.97	22.29	10.66	2.80
900.0	21.87	37.05	15.34	16.26	2.82	0.97	22.19	10.53	2.78
1000.0	22.24	37.41	15.13	16.44	2.80	0.98	21.20	9.88	2.73
1100.0	22.52	37.54	14.44	16.53	2.72	0.99	21.15	9.67	2.78
1200.0	22.70	37.67	13.54	16.29	2.68	1.00	20.45	9.16	2.82
1300.0	22.85	37.73	13.05	15.85	2.62	1.00	20.50	8.71	2.81
1400.0	22.95	37.90	12.95	15.31	2.63	1.00	20.23	8.73	2.83
1500.0	23.00	38.02	13.13	14.73	2.64	1.00	19.75	8.34	2.87
1600.0	23.00	38.19	13.79	14.47	2.70	0.99	19.72	8.30	2.90
1700.0	22.98	38.12	14.58	13.16	2.67	0.97	19.34	8.04	2.91
1800.0	22.77	38.82	16.94	13.49	3.02	0.96	19.62	8.28	2.95
1900.0	22.57	39.01	19.84	13.29	3.19	0.95	19.46	8.12	2.97
2000.0	22.29	39.37	24.99	13.17	3.45	0.94	19.10	7.83	2.95
2100.0	21.88	40.13	29.83	12.60	3.92	0.93	19.46	8.22	2.98
2200.0	21.41	40.97	21.64	12.55	4.53	0.94	19.15	7.87	3.06
2300.0	20.88	41.93	16.99	12.48	5.29	0.95	19.68	8.35	3.06
2400.0	20.25	43.34	13.89	12.29	6.52	0.97	19.98	8.81	3.14
2500.0	19.53	44.51	11.77	11.87	7.83	0.99	20.25	8.65	3.22
2600.0	18.66	45.74	10.00	11.50	9.55	1.01	20.49	9.00	3.37
2700.0	17.97	48.59	8.73	11.66	13.79	1.05	20.69	9.17	3.43
2800.0	17.06	49.12	7.72	11.28	15.48	1.08	20.93	9.27	3.47
2900.0	16.00	46.30	6.77	10.63	11.83	1.10	20.77	9.14	3.56
3000.0	14.81	43.64	5.51	9.70	8.92	1.14	20.84	8.99	3.63
3100.0	14.19	43.74	5.05	9.75	9.23	1.17	21.06	9.21	3.68
3200.0	13.13	40.61	4.35	8.99	6.56	1.19	21.03	8.69	3.93
3300.0	12.46	40.19	3.53	8.74	5.93	1.25	21.02	8.48	3.99
3400.0	11.99	41.35	3.12	8.81	6.62	1.29	21.31	8.98	4.11
3500.0	11.42	43.14	2.91	8.81	8.27	1.31	21.27	8.97	4.25
3600.0	10.71	42.62	2.61	8.52	7.73	1.33	21.51	9.39	4.34
3700.0	10.10	43.73	2.41	8.40	8.89	1.34	21.84	9.50	4.50
3800.0	9.46	45.22	2.24	8.25	10.69	1.35	22.19	9.86	4.64
3900.0	8.75	45.85	2.11	7.97	11.71	1.35	22.42	10.18	4.86
4000.0	8.11	46.58	1.98	7.73	12.94	1.35	22.73	10.09	4.86

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 = 3.90V, Id = 25.01mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	17.21	35.49	6.92	8.21	2.84	1.01	20.87	9.83	2.93
600.0	19.03	35.88	9.07	10.64	2.92	0.99	22.21	10.46	3.59
700.0	20.16	36.37	11.38	12.72	2.97	0.97	21.89	10.42	2.88
800.0	20.92	36.74	13.62	14.25	2.96	0.97	21.40	9.89	2.80
900.0	21.42	37.01	15.02	15.08	2.92	0.97	21.23	9.77	2.79
1000.0	21.75	37.28	14.85	15.18	2.88	0.97	20.14	9.12	2.80
1100.0	22.01	37.30	14.26	15.27	2.78	0.98	20.18	8.91	2.81
1200.0	22.17	37.35	13.45	15.10	2.71	0.99	19.59	8.41	2.82
1300.0	22.30	37.32	13.00	14.74	2.64	1.00	19.56	7.97	2.81
1400.0	22.39	37.39	12.94	14.24	2.62	0.99	19.32	7.93	2.87
1500.0	22.43	37.41	13.13	13.70	2.60	0.99	18.81	7.54	2.88
1600.0	22.42	37.46	13.75	13.40	2.63	0.98	18.76	7.47	2.90
1700.0	22.40	37.41	14.51	12.20	2.59	0.96	18.56	7.23	2.91
1800.0	22.20	37.86	16.79	12.39	2.85	0.95	18.68	7.40	3.00
1900.0	22.02	37.90	19.53	12.11	2.94	0.93	18.57	7.23	2.97
2000.0	21.76	38.12	24.45	11.90	3.13	0.92	18.17	6.93	2.98
2100.0	21.38	38.67	31.90	11.32	3.46	0.91	18.51	7.28	3.01
2200.0	20.95	39.31	22.74	11.17	3.88	0.91	18.19	6.93	3.07
2300.0	20.45	39.99	17.57	11.02	4.38	0.92	18.68	7.38	3.09
2400.0	19.85	41.01	14.20	10.78	5.13	0.93	18.99	7.84	3.17
2500.0	19.16	41.83	11.97	10.38	5.89	0.95	19.13	7.69	3.25
2600.0	18.31	42.75	10.12	10.07	6.90	0.97	19.49	8.00	3.38
2700.0	17.64	44.76	8.78	10.14	9.02	1.01	19.61	8.19	3.46
2800.0	16.73	45.75	7.71	9.80	10.63	1.04	19.82	8.27	3.46
2900.0	15.68	44.88	6.73	9.29	10.13	1.06	19.67	8.17	3.61
3000.0	14.52	42.53	5.48	8.69	7.91	1.10	19.76	7.99	3.68
3100.0	13.88	43.26	4.99	8.71	8.78	1.13	19.95	8.25	3.74
3200.0	12.82	40.55	4.28	8.11	6.53	1.15	19.90	7.73	3.95
3300.0	12.16	39.87	3.47	8.01	5.76	1.21	19.93	7.52	4.07
3400.0	11.67	40.86	3.06	8.10	6.32	1.25	20.16	8.04	4.17
3500.0	11.05	42.52	2.85	8.06	7.77	1.27	20.14	8.05	4.31
3600.0	10.33	42.15	2.54	7.78	7.39	1.29	20.36	8.46	4.44
3700.0	9.67	43.10	2.35	7.65	8.33	1.30	20.80	8.60	4.56
3800.0	8.99	44.52	2.18	7.47	9.93	1.31	21.13	9.02	4.75
3900.0	8.26	45.19	2.05	7.19	10.94	1.31	21.28	9.31	4.92
4000.0	7.58	45.96	1.92	6.95	12.12	1.30	21.67	9.24	4.92

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 = 27.15mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	17.59	35.32	6.97	8.23	2.67	1.00	21.96	10.62	2.91
600.0	19.45	35.71	9.11	10.86	2.75	0.99	23.36	11.27	3.53
700.0	20.63	36.24	11.49	13.33	2.81	0.98	23.07	11.28	2.85
800.0	21.42	36.69	13.86	15.36	2.82	0.97	22.46	10.81	2.77
900.0	21.95	37.04	15.38	16.55	2.80	0.97	22.48	10.69	2.77
1000.0	22.32	37.43	15.17	16.74	2.78	0.98	21.32	10.04	2.74
1100.0	22.61	37.56	14.48	16.82	2.71	0.99	21.32	9.85	2.78
1200.0	22.78	37.72	13.53	16.57	2.67	1.00	20.69	9.32	2.82
1300.0	22.94	37.78	13.05	16.12	2.62	1.00	20.57	8.89	2.79
1400.0	23.05	38.00	12.97	15.57	2.63	1.00	20.35	8.87	2.84
1500.0	23.10	38.12	13.14	14.99	2.65	1.00	19.86	8.52	2.87
1600.0	23.09	38.31	13.81	14.73	2.72	0.99	19.86	8.46	2.91
1700.0	23.08	38.29	14.57	13.38	2.70	0.97	19.53	8.24	2.90
1800.0	22.86	39.02	17.01	13.79	3.07	0.96	19.75	8.46	2.95
1900.0	22.66	39.23	19.97	13.60	3.24	0.95	19.61	8.30	2.96
2000.0	22.37	39.66	25.17	13.51	3.55	0.94	19.24	8.02	2.95
2100.0	21.95	40.44	29.45	12.93	4.05	0.94	19.69	8.40	2.98
2200.0	21.48	41.25	21.44	12.85	4.65	0.94	19.31	8.07	3.03
2300.0	20.94	42.37	16.86	12.87	5.55	0.96	19.83	8.54	3.06
2400.0	20.30	43.93	13.78	12.70	6.96	0.98	20.26	8.99	3.14
2500.0	19.58	45.11	11.71	12.24	8.37	0.99	20.38	8.85	3.22
2600.0	18.70	46.49	9.96	11.87	10.39	1.02	20.78	9.20	3.33
2700.0	18.02	49.42	8.71	12.03	15.15	1.06	20.90	9.36	3.43
2800.0	17.10	49.73	7.71	11.63	16.60	1.09	21.12	9.45	3.42
2900.0	16.04	46.47	6.77	10.96	12.07	1.11	21.04	9.33	3.56
3000.0	14.84	43.86	5.50	9.95	9.15	1.15	21.09	9.17	3.64
3100.0	14.22	43.75	5.06	10.00	9.26	1.18	21.33	9.40	3.71
3200.0	13.16	40.57	4.36	9.20	6.53	1.20	21.26	8.87	3.90
3300.0	12.50	40.24	3.54	8.91	5.96	1.25	21.28	8.66	3.96
3400.0	12.03	41.45	3.13	8.97	6.69	1.29	21.49	9.16	4.08
3500.0	11.46	43.27	2.92	8.98	8.39	1.32	21.52	9.15	4.25
3600.0	10.76	42.75	2.62	8.68	7.85	1.33	21.71	9.55	4.38
3700.0	10.15	43.82	2.42	8.57	8.98	1.35	22.08	9.67	4.49
3800.0	9.52	45.37	2.26	8.42	10.89	1.36	22.44	10.04	4.62
3900.0	8.82	45.95	2.12	8.14	11.86	1.36	22.70	10.34	4.82
4000.0	8.19	46.68	1.99	7.91	13.11	1.36	22.98	10.26	4.85

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.00V, Id = 29.89mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	16.49	35.06	7.03	8.30	2.97	1.00	21.89	10.78	4.24
600.0	18.36	35.31	8.97	10.92	2.96	1.00	23.33	11.55	4.20
700.0	19.54	35.71	11.18	13.29	2.97	0.98	23.03	11.66	4.09
800.0	20.31	36.10	13.15	15.15	2.95	0.98	22.80	11.31	4.06
900.0	20.79	36.41	14.14	16.21	2.92	0.98	22.61	11.10	4.06
1000.0	21.13	36.67	13.98	16.59	2.88	0.99	21.65	10.54	4.02
1100.0	21.34	36.80	13.35	16.63	2.83	1.00	21.65	10.31	4.08
1200.0	21.47	36.89	12.67	16.41	2.78	1.01	21.10	9.87	4.14
1300.0	21.52	36.98	12.32	15.91	2.76	1.02	21.02	9.48	4.12
1400.0	21.58	37.24	12.37	15.60	2.82	1.01	20.79	9.44	4.18
1500.0	21.53	37.20	12.66	15.47	2.83	1.01	20.39	9.18	4.20
1600.0	21.46	37.33	13.53	15.33	2.93	1.00	20.34	9.12	4.24
1700.0	21.32	37.42	14.79	14.65	3.02	0.98	20.13	8.96	4.25
1800.0	21.13	37.89	17.28	14.63	3.31	0.97	20.21	9.03	4.33
1900.0	20.82	38.22	21.22	14.76	3.61	0.96	20.10	8.95	4.33
2000.0	20.47	38.63	28.72	14.55	3.95	0.95	19.85	8.74	4.32
2100.0	20.02	39.15	27.91	14.11	4.40	0.95	20.07	9.02	4.40
2200.0	19.46	39.98	19.98	14.07	5.12	0.96	19.89	8.85	4.47
2300.0	18.89	40.99	15.73	13.97	6.03	0.97	20.31	9.12	4.50
2400.0	18.22	42.42	13.02	13.85	7.46	1.00	20.61	9.57	4.60
2500.0	17.47	43.45	11.05	13.35	8.84	1.02	20.80	9.42	4.70
2600.0	16.50	44.70	9.39	12.76	10.86	1.05	21.07	9.52	4.84
2700.0	15.85	47.49	8.32	12.92	15.53	1.08	21.29	9.82	4.93
2800.0	14.92	48.08	7.36	12.30	17.54	1.11	21.52	9.86	4.97
2900.0	13.86	45.46	6.47	11.43	13.72	1.13	21.23	9.65	5.12
3000.0	12.80	43.16	5.49	10.73	10.89	1.17	21.24	9.40	5.23
3100.0	12.26	44.41	4.89	10.89	12.61	1.21	21.39	9.51	5.31
3200.0	11.29	41.07	4.27	10.14	8.76	1.24	21.50	9.27	5.55
3300.0	10.68	40.65	3.65	9.91	8.12	1.28	21.59	9.02	5.62
3400.0	10.15	41.66	3.29	9.94	9.09	1.31	22.01	9.53	5.80
3500.0	9.56	43.30	3.05	9.91	11.15	1.34	22.06	9.66	5.93
3600.0	8.88	43.50	2.84	9.60	11.63	1.35	22.17	9.87	6.13
3700.0	8.23	43.86	2.64	9.38	12.32	1.36	22.45	10.06	6.26
3800.0	7.61	45.34	2.49	9.18	14.95	1.37	22.88	10.33	6.44
3900.0	6.95	45.93	2.37	8.90	16.45	1.37	23.10	10.62	6.65
4000.0	6.32	47.32	2.26	8.66	19.85	1.37	23.31	10.55	6.67

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 = 3.90V, Id = 28.72mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	16.24	35.24	7.01	8.24	3.11	1.00	21.31	10.09	4.22
600.0	18.07	35.49	8.94	10.69	3.10	0.99	22.62	10.84	4.26
700.0	19.21	35.86	11.13	12.73	3.11	0.98	22.37	10.93	4.13
800.0	19.96	36.19	13.03	14.17	3.08	0.97	21.99	10.54	4.07
900.0	20.41	36.44	13.98	14.92	3.03	0.98	21.83	10.40	4.06
1000.0	20.72	36.60	13.85	15.18	2.96	0.99	20.92	9.83	4.04
1100.0	20.92	36.65	13.29	15.24	2.89	1.00	20.94	9.63	4.07
1200.0	21.04	36.62	12.67	15.11	2.81	1.01	20.42	9.23	4.14
1300.0	21.08	36.63	12.34	14.70	2.77	1.01	20.35	8.86	4.14
1400.0	21.13	36.79	12.40	14.39	2.79	1.01	20.20	8.81	4.17
1500.0	21.08	36.65	12.69	14.23	2.77	1.00	19.73	8.57	4.20
1600.0	21.01	36.66	13.54	14.01	2.82	0.99	19.76	8.47	4.21
1700.0	20.88	36.67	14.75	13.32	2.88	0.97	19.52	8.35	4.26
1800.0	20.71	37.04	17.12	13.14	3.11	0.96	19.52	8.40	4.33
1900.0	20.42	37.16	20.88	13.11	3.30	0.94	19.42	8.30	4.34
2000.0	20.09	37.44	28.07	12.79	3.54	0.93	19.20	8.06	4.33
2100.0	19.67	37.87	29.36	12.32	3.89	0.93	19.43	8.33	4.41
2200.0	19.14	38.43	20.62	12.16	4.37	0.93	19.18	8.18	4.46
2300.0	18.59	39.20	16.08	11.97	4.98	0.94	19.55	8.44	4.50
2400.0	17.95	40.24	13.24	11.79	5.88	0.96	19.88	8.89	4.59
2500.0	17.21	40.95	11.18	11.35	6.68	0.98	20.04	8.72	4.70
2600.0	16.27	41.92	9.46	10.90	7.93	1.01	20.25	8.81	4.87
2700.0	15.62	43.89	8.32	10.99	10.29	1.05	20.51	9.10	4.93
2800.0	14.69	44.83	7.34	10.49	12.04	1.07	20.70	9.15	5.00
2900.0	13.63	43.84	6.42	9.85	11.34	1.09	20.43	8.94	5.15
3000.0	12.59	42.14	5.44	9.42	9.63	1.13	20.42	8.72	5.24
3100.0	12.04	43.28	4.83	9.58	11.00	1.18	20.59	8.83	5.31
3200.0	11.07	40.69	4.20	9.01	8.33	1.20	20.68	8.58	5.59
3300.0	10.45	40.14	3.58	8.91	7.62	1.24	20.81	8.33	5.66
3400.0	9.89	40.95	3.22	8.96	8.35	1.28	21.18	8.85	5.80
3500.0	9.27	42.37	2.99	8.89	9.99	1.30	21.26	8.97	5.97
3600.0	8.55	42.75	2.77	8.59	10.62	1.31	21.40	9.18	6.15
3700.0	7.87	43.10	2.57	8.38	11.27	1.32	21.66	9.34	6.30
3800.0	7.21	44.41	2.43	8.17	13.41	1.32	22.08	9.60	6.46
3900.0	6.52	45.09	2.30	7.90	14.90	1.32	22.21	9.86	6.72
4000.0	5.84	46.37	2.20	7.65	17.76	1.32	22.53	9.79	6.74

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 = 30.09mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	16.54	35.01	7.04	8.32	2.94	1.00	21.95	10.88	4.20
600.0	18.41	35.26	8.96	10.98	2.93	1.00	23.50	11.70	4.21
700.0	19.60	35.66	11.17	13.44	2.94	0.98	23.20	11.79	4.10
800.0	20.38	36.05	13.16	15.42	2.92	0.98	22.94	11.42	4.05
900.0	20.86	36.39	14.16	16.57	2.90	0.98	22.85	11.23	4.05
1000.0	21.20	36.67	13.98	16.98	2.87	0.99	21.74	10.64	4.01
1100.0	21.42	36.82	13.35	17.02	2.81	1.00	21.86	10.42	4.07
1200.0	21.55	36.94	12.66	16.78	2.77	1.01	21.22	9.99	4.11
1300.0	21.61	37.04	12.30	16.24	2.76	1.02	21.21	9.59	4.08
1400.0	21.67	37.34	12.35	15.94	2.83	1.02	20.91	9.54	4.15
1500.0	21.62	37.33	12.65	15.82	2.85	1.01	20.47	9.27	4.19
1600.0	21.54	37.47	13.52	15.70	2.96	1.00	20.47	9.21	4.22
1700.0	21.40	37.59	14.82	15.05	3.07	0.99	20.31	9.06	4.25
1800.0	21.21	38.06	17.34	15.05	3.36	0.97	20.25	9.17	4.30
1900.0	20.89	38.45	21.37	15.26	3.69	0.96	20.23	9.05	4.33
2000.0	20.53	38.90	29.05	15.08	4.07	0.96	19.91	8.85	4.35
2100.0	20.08	39.52	27.49	14.68	4.58	0.95	20.27	9.11	4.37
2200.0	19.50	40.37	19.83	14.66	5.34	0.96	20.03	8.96	4.47
2300.0	18.92	41.44	15.64	14.59	6.34	0.98	20.40	9.25	4.49
2400.0	18.26	42.97	12.97	14.47	7.94	1.00	20.76	9.71	4.59
2500.0	17.50	44.09	11.02	13.95	9.52	1.03	20.90	9.55	4.69
2600.0	16.53	45.42	9.37	13.29	11.81	1.06	21.17	9.67	4.84
2700.0	15.89	48.57	8.30	13.49	17.61	1.09	21.40	9.94	4.93
2800.0	14.95	48.92	7.35	12.82	19.37	1.12	21.62	9.98	4.97
2900.0	13.88	45.74	6.48	11.88	14.23	1.14	21.38	9.77	5.11
3000.0	12.82	43.35	5.49	11.09	11.16	1.18	21.35	9.53	5.20
3100.0	12.29	44.61	4.90	11.24	12.95	1.22	21.47	9.64	5.30
3200.0	11.32	41.14	4.28	10.44	8.85	1.25	21.65	9.40	5.52
3300.0	10.71	40.74	3.66	10.17	8.23	1.29	21.72	9.12	5.58
3400.0	10.18	41.82	3.30	10.19	9.28	1.32	22.14	9.66	5.76
3500.0	9.60	43.50	3.06	10.17	11.43	1.35	22.26	9.79	5.93
3600.0	8.92	43.64	2.85	9.86	11.84	1.36	22.35	10.00	6.09
3700.0	8.28	44.06	2.65	9.64	12.63	1.37	22.70	10.17	6.25
3800.0	7.67	45.53	2.50	9.44	15.31	1.38	23.05	10.46	6.39
3900.0	7.03	46.17	2.38	9.17	16.96	1.38	23.20	10.73	6.62
4000.0	6.40	47.58	2.27	8.92	20.49	1.39	23.43	10.69	6.69

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 = 2.80V, Id = 24.97mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	16.21	35.53	6.94	8.20	3.20	1.00	19.86	8.72	3.67
600.0	17.97	35.83	9.02	10.45	3.25	0.99	21.00	9.30	3.72
700.0	19.05	36.18	11.28	12.17	3.26	0.97	20.59	9.24	3.55
800.0	19.74	36.42	13.26	13.19	3.21	0.96	20.29	8.83	3.50
900.0	20.16	36.53	14.27	13.67	3.13	0.96	20.14	8.62	3.53
1000.0	20.45	36.60	14.17	13.77	3.03	0.97	19.26	8.07	3.50
1100.0	20.63	36.49	13.68	13.80	2.91	0.98	19.23	7.86	3.49
1200.0	20.72	36.37	13.03	13.62	2.81	0.99	18.80	7.46	3.59
1300.0	20.78	36.24	12.78	13.32	2.72	0.99	18.78	7.02	3.53
1400.0	20.81	36.17	12.80	13.00	2.68	0.99	18.48	7.01	3.60
1500.0	20.80	36.08	13.07	12.64	2.65	0.98	18.05	6.70	3.63
1600.0	20.74	35.94	13.87	12.33	2.64	0.97	18.07	6.60	3.71
1700.0	20.65	36.05	15.10	11.49	2.69	0.94	17.83	6.41	3.68
1800.0	20.45	36.02	17.26	11.44	2.78	0.93	17.90	6.49	3.77
1900.0	20.25	35.98	20.49	11.09	2.85	0.91	17.72	6.34	3.75
2000.0	19.97	36.03	27.09	10.72	2.97	0.90	17.43	6.03	3.74
2100.0	19.58	36.41	33.84	10.25	3.22	0.88	17.69	6.29	3.80
2200.0	19.14	36.84	21.82	10.06	3.52	0.88	17.34	6.09	3.89
2300.0	18.66	37.19	16.89	9.79	3.81	0.89	17.73	6.37	3.89
2400.0	18.06	37.87	13.64	9.54	4.28	0.90	17.97	6.81	4.00
2500.0	17.36	38.44	11.39	9.17	4.75	0.92	18.15	6.65	4.11
2600.0	16.50	39.14	9.55	8.90	5.40	0.94	18.40	6.83	4.25
2700.0	15.82	40.54	8.31	8.87	6.55	0.98	18.55	7.12	4.33
2800.0	14.90	41.42	7.25	8.48	7.57	1.00	18.72	7.20	4.36
2900.0	13.84	41.47	6.31	8.04	7.97	1.02	18.53	7.04	4.50
3000.0	12.83	40.31	5.26	7.81	7.15	1.06	18.54	6.88	4.57
3100.0	12.14	41.35	4.70	7.80	8.18	1.10	18.70	7.05	4.72
3200.0	11.14	39.69	4.02	7.42	6.83	1.13	18.71	6.73	4.96
3300.0	10.52	39.17	3.38	7.44	6.25	1.18	18.96	6.53	5.01
3400.0	9.91	39.91	3.01	7.45	6.77	1.21	19.19	7.12	5.17
3500.0	9.21	41.12	2.80	7.32	7.93	1.23	19.26	7.22	5.31
3600.0	8.47	41.39	2.55	7.08	8.22	1.24	19.39	7.60	5.53
3700.0	7.74	42.10	2.37	6.91	9.07	1.25	19.75	7.80	5.68
3800.0	7.01	43.13	2.23	6.70	10.44	1.25	20.08	8.13	5.82
3900.0	6.25	43.80	2.11	6.46	11.58	1.24	20.25	8.45	6.12
4000.0	5.52	44.49	1.99	6.25	12.85	1.24	20.57	8.35	6.12

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 = 2.55V, Id = 24.72mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	16.07	35.59	6.93	8.17	3.27	1.00	19.57	8.37	3.69
600.0	17.81	35.89	9.00	10.35	3.32	0.99	20.63	8.93	3.73
700.0	18.88	36.21	11.26	11.96	3.32	0.97	20.34	8.92	3.62
800.0	19.55	36.42	13.19	12.87	3.26	0.96	19.96	8.47	3.56
900.0	19.96	36.50	14.18	13.30	3.17	0.96	19.89	8.30	3.53
1000.0	20.23	36.54	14.10	13.38	3.07	0.97	18.94	7.75	3.51
1100.0	20.41	36.38	13.65	13.43	2.94	0.98	18.99	7.53	3.53
1200.0	20.49	36.22	13.04	13.28	2.82	0.98	18.45	7.14	3.54
1300.0	20.55	36.06	12.80	13.00	2.73	0.99	18.54	6.72	3.56
1400.0	20.57	35.98	12.86	12.68	2.68	0.98	18.26	6.68	3.61
1500.0	20.55	35.84	13.14	12.33	2.64	0.97	17.80	6.38	3.63
1600.0	20.49	35.68	13.94	12.02	2.62	0.96	17.73	6.29	3.70
1700.0	20.41	35.84	15.17	11.18	2.68	0.94	17.52	6.09	3.68
1800.0	20.20	35.71	17.41	11.14	2.75	0.92	17.61	6.16	3.78
1900.0	20.01	35.63	20.63	10.77	2.80	0.91	17.49	5.98	3.77
2000.0	19.74	35.65	27.53	10.39	2.90	0.89	17.16	5.68	3.77
2100.0	19.35	35.97	33.88	9.92	3.12	0.88	17.40	5.94	3.84
2200.0	18.93	36.36	21.70	9.70	3.39	0.87	17.10	5.71	3.89
2300.0	18.44	36.66	16.79	9.42	3.64	0.88	17.43	5.96	3.90
2400.0	17.85	37.28	13.55	9.16	4.06	0.89	17.66	6.43	3.99
2500.0	17.16	37.84	11.29	8.79	4.49	0.91	17.84	6.25	4.12
2600.0	16.30	38.49	9.46	8.51	5.06	0.93	18.04	6.45	4.24
2700.0	15.62	39.81	8.23	8.48	6.08	0.97	18.24	6.72	4.34
2800.0	14.69	40.65	7.16	8.11	6.98	0.99	18.37	6.81	4.42
2900.0	13.64	40.80	6.22	7.70	7.42	1.01	18.18	6.66	4.53
3000.0	12.63	39.84	5.19	7.50	6.80	1.05	18.18	6.48	4.62
3100.0	11.93	40.87	4.63	7.48	7.77	1.09	18.37	6.69	4.74
3200.0	10.94	39.41	3.95	7.13	6.63	1.11	18.35	6.33	4.95
3300.0	10.30	38.85	3.33	7.15	6.06	1.16	18.60	6.15	5.06
3400.0	9.68	39.60	2.96	7.15	6.54	1.20	18.83	6.76	5.21
3500.0	8.96	40.78	2.75	7.02	7.65	1.21	18.86	6.86	5.40
3600.0	8.21	41.08	2.50	6.79	7.96	1.22	19.04	7.25	5.58
3700.0	7.47	41.76	2.32	6.62	8.75	1.23	19.39	7.42	5.67
3800.0	6.72	42.83	2.19	6.42	10.13	1.23	19.68	7.78	5.91
3900.0	5.95	43.50	2.07	6.19	11.26	1.22	19.86	8.11	6.12
4000.0	5.21	44.34	1.96	5.98	12.70	1.21	20.16	8.02	6.13

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.00V, Id = 25.02mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	16.33	35.48	6.95	8.22	3.15	1.00	20.09	8.96	3.67
600.0	18.11	35.79	9.03	10.55	3.19	0.99	21.21	9.51	3.73
700.0	19.20	36.15	11.32	12.36	3.20	0.97	20.97	9.47	3.58
800.0	19.90	36.42	13.33	13.46	3.16	0.96	20.56	9.04	3.52
900.0	20.34	36.56	14.36	13.99	3.09	0.97	20.48	8.84	3.52
1000.0	20.63	36.66	14.24	14.10	3.01	0.97	19.50	8.26	3.48
1100.0	20.82	36.56	13.73	14.14	2.88	0.98	19.55	8.07	3.52
1200.0	20.91	36.48	13.04	13.94	2.79	0.99	18.95	7.63	3.57
1300.0	20.98	36.36	12.76	13.61	2.70	0.99	19.03	7.23	3.54
1400.0	21.01	36.34	12.78	13.27	2.68	0.99	18.70	7.18	3.59
1500.0	21.00	36.24	13.04	12.90	2.64	0.98	18.24	6.86	3.62
1600.0	20.95	36.15	13.81	12.58	2.65	0.97	18.23	6.78	3.66
1700.0	20.87	36.35	14.99	11.67	2.72	0.95	17.98	6.57	3.69
1800.0	20.66	36.31	17.19	11.70	2.82	0.93	18.12	6.68	3.74
1900.0	20.46	36.27	20.37	11.35	2.89	0.92	17.91	6.52	3.75
2000.0	20.18	36.35	26.63	10.99	3.02	0.90	17.65	6.21	3.78
2100.0	19.79	36.75	33.55	10.54	3.29	0.89	17.85	6.50	3.79
2200.0	19.35	37.23	21.95	10.36	3.62	0.89	17.55	6.25	3.86
2300.0	18.85	37.61	17.00	10.12	3.93	0.90	17.92	6.57	3.87
2400.0	18.25	38.35	13.74	9.88	4.46	0.91	18.19	7.03	3.98
2500.0	17.55	38.97	11.46	9.52	4.99	0.93	18.36	6.86	4.10
2600.0	16.69	39.67	9.63	9.22	5.67	0.96	18.60	7.07	4.25
2700.0	16.01	41.22	8.39	9.22	7.01	0.99	18.79	7.34	4.32
2800.0	15.09	42.10	7.33	8.82	8.11	1.01	18.96	7.42	4.35
2900.0	14.03	42.01	6.39	8.34	8.42	1.04	18.76	7.26	4.48
3000.0	13.01	40.75	5.32	8.07	7.46	1.08	18.79	7.12	4.58
3100.0	12.33	41.75	4.76	8.07	8.50	1.11	18.96	7.29	4.67
3200.0	11.34	39.90	4.08	7.65	6.95	1.14	18.96	6.93	4.89
3300.0	10.71	39.35	3.42	7.65	6.34	1.19	19.16	6.73	5.01
3400.0	10.12	40.14	3.05	7.67	6.89	1.22	19.43	7.32	5.14
3500.0	9.43	41.37	2.83	7.55	8.08	1.24	19.43	7.41	5.33
3600.0	8.70	41.59	2.58	7.30	8.34	1.25	19.67	7.78	5.51
3700.0	7.98	42.36	2.39	7.13	9.25	1.26	19.99	7.94	5.65
3800.0	7.27	43.43	2.25	6.93	10.68	1.26	20.32	8.31	5.81
3900.0	6.52	44.08	2.13	6.68	11.82	1.26	20.52	8.62	6.07
4000.0	5.80	44.82	2.02	6.47	13.21	1.25	20.76	8.52	6.05

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 = 2.80V, Id = 23.19mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	16.78	35.79	6.89	8.10	3.07	1.00	19.80	8.82	3.05
600.0	18.52	36.19	9.05	10.22	3.17	0.98	20.98	9.39	3.44
700.0	19.59	36.61	11.33	11.81	3.21	0.96	20.55	9.35	2.94
800.0	20.30	36.88	13.45	12.84	3.17	0.96	20.19	8.89	2.93
900.0	20.75	37.00	14.76	13.36	3.09	0.96	20.03	8.71	2.90
1000.0	21.05	37.12	14.68	13.39	3.01	0.96	19.11	8.10	2.88
1100.0	21.28	37.00	14.21	13.46	2.87	0.97	19.12	7.92	2.91
1200.0	21.41	36.87	13.50	13.37	2.76	0.98	18.48	7.43	2.96
1300.0	21.52	36.73	13.14	13.11	2.66	0.98	18.62	7.02	2.94
1400.0	21.59	36.64	13.13	12.68	2.59	0.98	18.29	6.97	2.98
1500.0	21.61	36.56	13.35	12.19	2.55	0.97	17.85	6.59	3.00
1600.0	21.59	36.43	13.99	11.89	2.52	0.96	17.80	6.50	3.03
1700.0	21.57	36.41	14.77	10.85	2.49	0.93	17.53	6.24	3.04
1800.0	21.38	36.54	17.03	10.89	2.63	0.92	17.70	6.39	3.12
1900.0	21.23	36.44	19.90	10.54	2.66	0.90	17.52	6.20	3.07
2000.0	20.99	36.44	25.23	10.23	2.74	0.89	17.19	5.87	3.08
2100.0	20.64	36.82	35.18	9.65	2.95	0.87	17.43	6.17	3.11
2200.0	20.24	37.21	22.84	9.40	3.20	0.86	17.02	5.85	3.20
2300.0	19.78	37.57	17.53	9.13	3.46	0.87	17.52	6.22	3.19
2400.0	19.20	38.26	14.11	8.83	3.87	0.87	17.70	6.64	3.28
2500.0	18.52	38.82	11.79	8.45	4.29	0.89	17.91	6.49	3.38
2600.0	17.71	39.47	9.93	8.18	4.83	0.91	18.18	6.77	3.49
2700.0	17.03	40.77	8.56	8.15	5.78	0.94	18.29	7.01	3.56
2800.0	16.12	41.67	7.46	7.87	6.69	0.97	18.46	7.08	3.59
2900.0	15.07	41.83	6.46	7.51	7.12	0.99	18.32	6.96	3.71
3000.0	13.95	40.43	5.24	7.21	6.21	1.03	18.35	6.78	3.80
3100.0	13.27	41.54	4.74	7.18	7.17	1.06	18.55	7.04	3.87
3200.0	12.21	39.80	4.04	6.78	5.95	1.08	18.49	6.55	4.07
3300.0	11.55	39.04	3.27	6.80	5.21	1.14	18.62	6.33	4.18
3400.0	10.99	39.77	2.88	6.86	5.58	1.18	18.79	6.91	4.28
3500.0	10.31	41.23	2.67	6.77	6.68	1.20	18.84	6.94	4.47
3600.0	9.53	41.14	2.39	6.53	6.59	1.21	19.01	7.39	4.59
3700.0	8.81	41.93	2.20	6.39	7.29	1.22	19.38	7.52	4.73
3800.0	8.06	43.18	2.05	6.21	8.53	1.22	19.72	7.93	4.92
3900.0	7.27	43.96	1.92	5.96	9.49	1.21	19.92	8.27	5.16
4000.0	6.52	44.70	1.81	5.74	10.51	1.21	20.29	8.21	5.12

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 = 2.55V, Id = 23.58mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	16.54	35.82	6.86	8.09	3.15	1.00	19.40	8.51	2.97
600.0	18.26	36.20	9.00	10.13	3.25	0.98	20.51	9.11	3.41
700.0	19.32	36.59	11.24	11.60	3.29	0.96	20.13	9.05	2.91
800.0	20.00	36.82	13.28	12.54	3.24	0.95	19.81	8.62	2.85
900.0	20.44	36.90	14.54	13.01	3.15	0.95	19.66	8.44	2.87
1000.0	20.73	36.96	14.46	13.09	3.05	0.96	18.67	7.86	2.85
1100.0	20.95	36.83	14.07	13.12	2.91	0.97	18.75	7.64	2.85
1200.0	21.07	36.66	13.42	13.05	2.79	0.98	18.22	7.17	2.90
1300.0	21.17	36.50	13.09	12.82	2.68	0.98	18.24	6.78	2.88
1400.0	21.22	36.37	13.11	12.43	2.61	0.97	17.98	6.74	2.93
1500.0	21.24	36.25	13.35	11.97	2.56	0.97	17.52	6.40	2.93
1600.0	21.21	36.10	14.03	11.67	2.53	0.95	17.53	6.28	2.95
1700.0	21.18	36.01	14.82	10.75	2.48	0.93	17.23	6.13	2.98
1800.0	21.00	36.14	17.13	10.68	2.61	0.92	17.40	6.17	3.03
1900.0	20.84	36.02	20.03	10.34	2.64	0.90	17.14	5.95	3.03
2000.0	20.61	35.99	25.67	10.02	2.71	0.88	16.81	5.64	3.05
2100.0	20.26	36.31	36.94	9.42	2.89	0.86	17.06	5.90	3.08
2200.0	19.87	36.61	22.71	9.14	3.10	0.85	16.71	5.61	3.13
2300.0	19.42	36.99	17.43	8.88	3.34	0.86	17.07	5.96	3.13
2400.0	18.84	37.63	14.01	8.57	3.73	0.87	17.31	6.35	3.21
2500.0	18.18	38.14	11.70	8.18	4.08	0.88	17.50	6.18	3.31
2600.0	17.37	38.77	9.84	7.92	4.59	0.90	17.70	6.45	3.44
2700.0	16.69	39.94	8.47	7.86	5.40	0.93	17.82	6.66	3.52
2800.0	15.79	40.84	7.35	7.59	6.23	0.96	17.98	6.75	3.56
2900.0	14.75	41.16	6.36	7.25	6.74	0.98	17.83	6.62	3.67
3000.0	13.64	39.93	5.17	6.99	5.99	1.02	17.85	6.45	3.77
3100.0	12.94	41.06	4.66	6.94	6.92	1.05	18.03	6.69	3.84
3200.0	11.89	39.54	3.97	6.58	5.88	1.07	18.03	6.20	4.07
3300.0	11.22	38.77	3.22	6.60	5.16	1.13	18.12	5.98	4.12
3400.0	10.65	39.49	2.83	6.65	5.51	1.17	18.29	6.56	4.27
3500.0	9.95	40.88	2.63	6.55	6.56	1.18	18.35	6.63	4.44
3600.0	9.16	40.85	2.35	6.32	6.50	1.20	18.52	7.04	4.59
3700.0	8.43	41.63	2.16	6.18	7.18	1.20	18.93	7.20	4.70
3800.0	7.67	42.82	2.02	5.99	8.35	1.20	19.27	7.61	4.84
3900.0	6.86	43.63	1.89	5.75	9.33	1.20	19.39	7.93	5.16
4000.0	6.11	44.40	1.78	5.54	10.37	1.19	19.78	7.87	5.12

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.00V, Id = 24.57mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	16.88	35.71	6.90	8.13	3.01	1.00	20.11	9.06	2.99
600.0	18.64	36.11	9.06	10.33	3.10	0.98	21.17	9.65	3.43
700.0	19.72	36.55	11.34	12.03	3.15	0.97	20.84	9.59	2.90
800.0	20.44	36.84	13.50	13.16	3.12	0.96	20.46	9.16	2.83
900.0	20.90	36.99	14.83	13.73	3.05	0.96	20.26	8.98	2.83
1000.0	21.20	37.14	14.72	13.78	2.98	0.97	19.30	8.36	2.81
1100.0	21.44	37.06	14.21	13.84	2.85	0.97	19.36	8.15	2.82
1200.0	21.58	36.96	13.53	13.74	2.74	0.98	18.76	7.69	2.88
1300.0	21.69	36.83	13.09	13.46	2.65	0.98	18.83	7.26	2.84
1400.0	21.76	36.79	13.08	13.01	2.59	0.98	18.50	7.21	2.89
1500.0	21.78	36.72	13.29	12.52	2.55	0.97	18.03	6.83	2.90
1600.0	21.77	36.62	13.92	12.21	2.54	0.96	18.09	6.74	2.95
1700.0	21.73	36.55	14.70	11.19	2.50	0.94	17.77	6.47	2.99
1800.0	21.56	36.78	16.92	11.18	2.66	0.93	17.91	6.65	3.01
1900.0	21.39	36.71	19.73	10.86	2.70	0.91	17.67	6.48	3.01
2000.0	21.16	36.76	24.83	10.57	2.81	0.89	17.35	6.14	3.02
2100.0	20.80	37.15	34.34	9.97	3.03	0.88	17.66	6.42	3.05
2200.0	20.40	37.55	23.07	9.73	3.29	0.87	17.30	6.10	3.10
2300.0	19.93	38.00	17.61	9.49	3.60	0.88	17.75	6.50	3.10
2400.0	19.34	38.77	14.18	9.21	4.08	0.89	18.00	6.91	3.21
2500.0	18.67	39.35	11.87	8.82	4.53	0.90	18.19	6.77	3.29
2600.0	17.85	40.05	10.01	8.56	5.15	0.92	18.42	7.05	3.42
2700.0	17.17	41.44	8.63	8.54	6.22	0.96	18.54	7.27	3.50
2800.0	16.26	42.37	7.54	8.25	7.25	0.98	18.75	7.33	3.52
2900.0	15.22	42.45	6.53	7.86	7.66	1.01	18.59	7.23	3.64
3000.0	14.09	40.87	5.31	7.51	6.54	1.05	18.61	7.07	3.72
3100.0	13.42	41.92	4.80	7.49	7.51	1.08	18.82	7.30	3.79
3200.0	12.36	40.00	4.10	7.06	6.10	1.10	18.80	6.82	4.01
3300.0	11.70	39.22	3.32	7.06	5.33	1.16	18.86	6.59	4.07
3400.0	11.16	40.01	2.93	7.13	5.74	1.20	19.08	7.12	4.21
3500.0	10.49	41.47	2.72	7.04	6.88	1.22	19.09	7.18	4.35
3600.0	9.72	41.34	2.42	6.80	6.73	1.23	19.30	7.62	4.50
3700.0	9.02	42.15	2.23	6.66	7.47	1.24	19.68	7.77	4.68
3800.0	8.29	43.42	2.08	6.47	8.76	1.24	20.02	8.16	4.84
3900.0	7.50	44.21	1.94	6.22	9.75	1.24	20.17	8.51	5.02
4000.0	6.78	44.95	1.83	5.99	10.79	1.23	20.55	8.41	5.00

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 2.80V, Id = 27.76mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	15.76	35.51	6.96	8.11	3.36	1.00	20.52	9.19	4.30
600.0	17.52	35.76	8.89	10.28	3.36	0.99	21.61	9.87	4.26
700.0	18.60	36.08	11.01	11.87	3.36	0.97	21.39	9.92	4.20
800.0	19.30	36.31	12.81	12.84	3.30	0.96	21.05	9.59	4.13
900.0	19.71	36.42	13.70	13.32	3.22	0.97	20.93	9.42	4.14
1000.0	19.99	36.44	13.65	13.49	3.11	0.97	20.02	8.97	4.09
1100.0	20.16	36.34	13.21	13.57	2.99	0.98	20.07	8.77	4.11
1200.0	20.25	36.18	12.70	13.51	2.87	0.99	19.54	8.42	4.18
1300.0	20.28	36.06	12.46	13.23	2.80	0.99	19.66	8.05	4.18
1400.0	20.31	36.11	12.57	12.94	2.80	0.99	19.36	8.05	4.23
1500.0	20.26	35.84	12.91	12.78	2.74	0.98	18.94	7.81	4.26
1600.0	20.19	35.72	13.78	12.53	2.74	0.97	18.97	7.75	4.29
1700.0	20.07	35.63	14.98	11.87	2.75	0.95	18.71	7.60	4.29
1800.0	19.90	35.83	17.44	11.59	2.91	0.93	18.79	7.60	4.38
1900.0	19.64	35.80	21.27	11.42	3.02	0.92	18.66	7.51	4.39
2000.0	19.34	35.90	29.34	11.02	3.16	0.90	18.37	7.31	4.40
2100.0	18.95	36.20	30.13	10.51	3.39	0.89	18.58	7.50	4.45
2200.0	18.45	36.53	20.65	10.26	3.69	0.89	18.34	7.39	4.51
2300.0	17.92	37.08	16.00	9.99	4.08	0.90	18.70	7.58	4.53
2400.0	17.30	37.79	13.11	9.74	4.62	0.91	18.94	7.98	4.65
2500.0	16.58	38.31	10.99	9.34	5.10	0.93	19.10	7.83	4.76
2600.0	15.66	39.07	9.27	9.00	5.86	0.96	19.29	7.91	4.93
2700.0	15.00	40.42	8.10	8.98	7.06	0.99	19.49	8.19	5.02
2800.0	14.07	41.30	7.09	8.59	8.16	1.01	19.66	8.24	5.09
2900.0	13.00	41.23	6.18	8.15	8.49	1.04	19.43	8.04	5.24
3000.0	11.98	40.33	5.22	7.92	7.88	1.07	19.42	7.79	5.35
3100.0	11.40	41.32	4.62	8.04	8.86	1.12	19.56	7.93	5.41
3200.0	10.43	39.74	4.01	7.65	7.51	1.14	19.66	7.68	5.65
3300.0	9.78	39.20	3.41	7.62	6.90	1.19	19.87	7.43	5.77
3400.0	9.17	39.87	3.07	7.63	7.46	1.22	20.20	7.98	5.92
3500.0	8.49	41.03	2.85	7.53	8.69	1.24	20.23	8.09	6.09
3600.0	7.72	41.60	2.64	7.26	9.44	1.24	20.39	8.28	6.32
3700.0	6.99	41.95	2.45	7.07	10.02	1.25	20.63	8.45	6.47
3800.0	6.27	43.17	2.31	6.86	11.83	1.25	20.97	8.69	6.63
3900.0	5.53	43.84	2.20	6.62	13.16	1.24	21.03	8.91	6.93
4000.0	4.80	44.88	2.10	6.40	15.32	1.24	21.31	8.86	6.94

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 = 2.55V, Id = 27.51mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	15.59	35.58	6.93	8.07	3.44	1.00	20.18	8.89	4.32
600.0	17.34	35.82	8.86	10.17	3.45	0.99	21.34	9.55	4.28
700.0	18.40	36.12	10.96	11.67	3.43	0.97	21.08	9.57	4.19
800.0	19.08	36.32	12.71	12.55	3.37	0.96	20.75	9.26	4.14
900.0	19.49	36.40	13.59	12.98	3.27	0.96	20.65	9.15	4.14
1000.0	19.76	36.38	13.56	13.15	3.16	0.97	19.74	8.72	4.10
1100.0	19.92	36.27	13.16	13.22	3.03	0.98	19.86	8.53	4.12
1200.0	20.01	36.05	12.69	13.18	2.90	0.99	19.32	8.18	4.17
1300.0	20.03	35.92	12.48	12.93	2.83	0.99	19.35	7.86	4.17
1400.0	20.06	35.94	12.62	12.67	2.82	0.99	19.14	7.84	4.23
1500.0	20.00	35.65	12.97	12.50	2.75	0.98	18.68	7.62	4.26
1600.0	19.93	35.50	13.84	12.24	2.74	0.97	18.75	7.53	4.31
1700.0	19.81	35.39	15.10	11.60	2.75	0.95	18.49	7.40	4.30
1800.0	19.65	35.56	17.52	11.31	2.89	0.93	18.57	7.41	4.38
1900.0	19.39	35.48	21.46	11.12	2.98	0.91	18.41	7.32	4.41
2000.0	19.09	35.56	29.95	10.71	3.11	0.90	18.17	7.08	4.39
2100.0	18.71	35.81	29.93	10.19	3.32	0.88	18.30	7.30	4.46
2200.0	18.22	36.12	20.50	9.92	3.59	0.88	18.09	7.16	4.55
2300.0	17.70	36.62	15.92	9.64	3.95	0.89	18.43	7.34	4.58
2400.0	17.08	37.30	13.02	9.38	4.43	0.90	18.65	7.74	4.64
2500.0	16.36	37.77	10.91	8.97	4.86	0.92	18.85	7.60	4.79
2600.0	15.44	38.50	9.20	8.65	5.56	0.94	19.05	7.66	4.94
2700.0	14.78	39.75	8.03	8.61	6.61	0.98	19.19	7.93	5.03
2800.0	13.84	40.63	7.03	8.24	7.63	1.00	19.35	7.96	5.11
2900.0	12.78	40.67	6.11	7.84	8.03	1.02	19.10	7.78	5.25
3000.0	11.77	39.92	5.17	7.64	7.58	1.06	19.10	7.55	5.35
3100.0	11.18	40.84	4.56	7.74	8.46	1.11	19.28	7.67	5.44
3200.0	10.20	39.45	3.95	7.38	7.33	1.13	19.35	7.45	5.67
3300.0	9.55	38.96	3.37	7.36	6.78	1.17	19.56	7.19	5.76
3400.0	8.93	39.56	3.03	7.36	7.28	1.21	19.87	7.71	5.95
3500.0	8.23	40.72	2.81	7.26	8.46	1.22	19.93	7.83	6.15
3600.0	7.45	41.34	2.61	6.99	9.26	1.23	20.07	8.02	6.32
3700.0	6.70	41.69	2.42	6.81	9.86	1.23	20.35	8.18	6.47
3800.0	5.97	42.82	2.29	6.61	11.51	1.23	20.62	8.37	6.70
3900.0	5.22	43.53	2.18	6.37	12.87	1.23	20.77	8.65	6.99
4000.0	4.48	44.63	2.08	6.16	15.09	1.22	20.96	8.58	6.96

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.00V, Id = 27.94mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500.0	15.87	35.46	6.97	8.14	3.30	1.00	20.73	9.41	4.28
600.0	17.65	35.71	8.91	10.37	3.31	0.99	21.86	10.08	4.23
700.0	18.74	36.04	11.04	12.05	3.30	0.97	21.59	10.14	4.18
800.0	19.44	36.29	12.86	13.11	3.25	0.97	21.27	9.78	4.12
900.0	19.87	36.42	13.76	13.63	3.17	0.97	21.14	9.63	4.13
1000.0	20.15	36.48	13.69	13.81	3.08	0.98	20.24	9.15	4.07
1100.0	20.33	36.42	13.22	13.88	2.97	0.99	20.31	8.95	4.13
1200.0	20.43	36.27	12.69	13.81	2.86	0.99	19.76	8.59	4.17
1300.0	20.46	36.18	12.44	13.51	2.79	1.00	19.74	8.26	4.14
1400.0	20.49	36.25	12.53	13.22	2.79	0.99	19.51	8.21	4.19
1500.0	20.44	36.01	12.84	13.05	2.74	0.99	19.06	7.98	4.25
1600.0	20.37	35.91	13.70	12.80	2.75	0.98	19.12	7.91	4.30
1700.0	20.25	35.86	14.91	12.13	2.78	0.96	18.90	7.75	4.30
1800.0	20.08	36.08	17.30	11.87	2.94	0.94	18.90	7.79	4.37
1900.0	19.81	36.08	21.08	11.72	3.06	0.92	18.81	7.68	4.37
2000.0	19.51	36.20	28.80	11.33	3.22	0.91	18.56	7.46	4.38
2100.0	19.11	36.51	30.19	10.83	3.47	0.90	18.76	7.67	4.43
2200.0	18.61	36.89	20.72	10.60	3.80	0.90	18.52	7.56	4.49
2300.0	18.08	37.46	16.09	10.34	4.22	0.91	18.85	7.75	4.55
2400.0	17.46	38.24	13.17	10.09	4.81	0.92	19.11	8.17	4.64
2500.0	16.73	38.81	11.07	9.69	5.36	0.94	19.29	8.00	4.76
2600.0	15.80	39.58	9.33	9.33	6.18	0.97	19.48	8.10	4.94
2700.0	15.15	41.06	8.18	9.34	7.55	1.00	19.72	8.40	5.00
2800.0	14.22	41.93	7.16	8.93	8.72	1.03	19.86	8.43	5.08
2900.0	13.16	41.74	6.25	8.46	8.97	1.05	19.63	8.22	5.20
3000.0	12.13	40.70	5.29	8.20	8.20	1.09	19.63	8.00	5.31
3100.0	11.56	41.70	4.68	8.33	9.23	1.13	19.77	8.10	5.39
3200.0	10.59	39.96	4.06	7.91	7.68	1.15	19.86	7.87	5.62
3300.0	9.95	39.40	3.46	7.87	7.05	1.20	20.04	7.60	5.73
3400.0	9.35	40.06	3.10	7.89	7.60	1.23	20.40	8.14	5.93
3500.0	8.68	41.31	2.88	7.80	8.92	1.25	20.44	8.27	6.06
3600.0	7.92	41.86	2.67	7.52	9.68	1.26	20.63	8.48	6.25
3700.0	7.20	42.16	2.47	7.33	10.21	1.26	20.86	8.64	6.43
3800.0	6.50	43.41	2.34	7.11	12.09	1.27	21.22	8.85	6.59
3900.0	5.76	44.05	2.23	6.87	13.42	1.26	21.35	9.15	6.87
4000.0	5.05	45.19	2.12	6.64	15.76	1.26	21.63	9.09	6.85