

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 = 3.8V, Id = 480mA @ 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)
18000	15.32	45.58	10.23	13.72	14.16	1.05	24.39	16.75	12.70
20000	22.59	44.96	11.32	19.34	6.02	1.06	24.13	17.52	9.50
21000	24.57	42.82	16.06	47.54	4.05	1.01	24.14	18.34	8.80
22000	26.75	39.73	14.84	13.21	2.13	0.95	24.99	19.28	8.40
23000	25.55	39.87	10.36	9.06	2.24	0.89	24.92	19.18	8.10
24000	23.76	40.49	12.12	10.58	2.99	0.95	25.47	18.15	8.10
25000	24.07	40.53	19.13	17.54	3.29	0.97	25.92	19.31	8.00
26000	25.46	39.92	22.33	16.40	2.66	0.95	26.49	19.82	8.00
27000	25.33	42.21	12.86	12.62	3.18	0.98	26.47	20.11	7.90
28000	23.87	45.46	10.52	12.16	5.23	1.01	27.50	20.70	7.80
29000	22.83	46.86	10.80	12.56	6.84	1.03	27.89	21.00	7.60
30000	22.29	49.23	12.76	14.28	10.19	1.01	28.08	21.11	7.60
30500	22.06	50.06	14.04	14.95	11.73	1.00	28.22	21.03	7.70
31000	21.86	47.49	14.42	14.58	8.90	1.00	28.28	20.96	7.80
31500	21.65	49.38	13.75	13.61	11.14	1.00	27.96	20.94	8.10
32000	21.55	46.50	12.99	12.91	8.00	0.99	28.17	20.83	8.20
32500	21.64	45.93	12.30	12.71	7.36	0.99	28.52	21.15	8.50
33000	21.94	45.19	11.80	12.97	6.54	1.00	28.41	21.10	8.70
33500	22.34	44.40	11.44	13.41	5.71	1.01	28.14	20.92	8.60
34000	22.87	42.94	10.73	13.39	4.51	1.01	27.65	20.26	8.60
34500	23.41	41.34	10.08	12.42	3.47	1.00	28.14	20.43	8.50
35000	23.88	40.95	9.61	11.52	3.07	1.00	28.02	20.30	8.30
35500	24.33	39.40	9.68	11.78	2.43	1.01	28.51	20.41	8.10
36000	24.39	39.34	10.28	14.58	2.48	1.04	28.44	20.49	7.80
36500	23.91	39.71	10.53	19.11	2.86	1.05	28.65	20.32	7.70
37000	23.16	40.53	10.30	16.14	3.36	1.04	28.54	19.98	7.80
37500	22.47	40.44	9.91	12.95	3.38	1.04	27.75	20.20	8.10
38000	22.23	40.65	9.89	11.85	3.48	1.03	26.27	19.73	8.40
38500	22.65	40.89	11.09	12.90	3.64	1.00	24.42	18.76	8.70
39000	23.75	38.90	13.74	17.11	2.80	0.98	25.38	19.37	9.00
39500	25.46	39.49	19.50	35.61	2.59	0.97	26.27	19.79	9.10
40000	27.18	36.44	18.70	13.81	1.52	0.87	27.15	19.67	9.20
41000	27.32	37.65	10.54	6.66	1.41	0.71	26.14	19.11	9.10
42000	25.61	42.47	9.59	7.11	2.56	0.88	24.82	17.69	9.20
43000	25.34	45.64	10.52	10.96	4.32	1.01	22.59	18.01	9.10
44000	26.19	43.10	14.86	20.95	3.44	1.00	22.09	17.62	9.40
45000	28.30	47.11	22.90	25.96	4.38	0.99	21.49	17.65	10.50
46000	29.02	54.16	16.02	17.57	8.66	1.01	21.49	16.78	12.10
47000	20.85	49.11	10.17	11.64	10.88	1.02	21.36	13.53	12.70

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4V, Id = 480mA @ 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)
18000	14.70	44.23	10.24	13.71	13.04	1.05	24.70	17.19	12.80
20000	21.72	43.19	11.22	18.40	5.41	1.06	24.63	18.38	9.60
21000	23.90	40.96	16.80	34.89	3.56	1.00	24.76	18.92	8.90
22000	26.42	37.36	13.94	12.17	1.68	0.92	25.80	19.72	8.50
23000	24.84	38.02	9.80	8.64	1.96	0.87	25.51	19.46	8.20
24000	22.93	39.17	11.89	10.57	2.82	0.96	25.91	18.92	8.10
25000	23.43	38.59	19.34	19.02	2.88	0.97	26.41	20.15	8.00
26000	25.10	37.77	20.64	15.49	2.19	0.93	27.31	20.75	8.00
27000	24.79	39.71	12.00	11.89	2.50	0.97	27.44	20.90	8.00
28000	23.11	42.82	10.33	11.93	4.22	1.00	28.10	21.28	7.90
29000	22.07	47.18	10.95	12.65	7.80	1.03	28.52	21.60	7.60
30000	21.57	46.74	13.02	14.58	8.37	1.01	28.68	21.89	7.70
30500	21.37	46.14	14.38	15.27	8.16	1.00	28.92	21.93	7.70
31000	21.20	47.15	14.73	14.93	9.28	1.00	28.96	21.92	7.90
31500	21.04	44.55	14.06	13.94	6.90	1.00	28.72	21.82	8.10
32000	21.00	44.59	13.33	13.32	6.90	0.99	29.03	21.69	8.40
32500	21.13	45.81	12.56	13.10	7.76	1.00	29.44	21.81	8.60
33000	21.42	46.88	11.86	13.21	8.41	1.01	29.32	21.71	8.70
33500	21.80	44.77	11.22	13.42	6.31	1.01	28.95	21.59	8.70
34000	22.28	43.38	10.39	13.08	5.01	1.02	28.16	21.03	8.70
34500	22.77	40.93	9.76	12.11	3.53	1.01	28.65	21.22	8.60
35000	23.19	39.64	9.46	11.48	2.86	1.00	28.37	21.13	8.30
35500	23.58	39.71	9.70	11.97	2.74	1.02	28.96	21.24	8.10
36000	23.60	39.30	10.44	15.18	2.72	1.05	28.92	21.32	7.90
36500	23.14	39.90	10.79	20.03	3.20	1.05	29.03	21.18	7.80
37000	22.46	39.87	10.54	16.51	3.40	1.04	29.09	20.89	7.90
37500	21.86	40.72	10.08	13.26	3.78	1.04	28.59	21.08	8.10
38000	21.67	40.09	10.11	12.20	3.52	1.03	27.56	20.68	8.50
38500	22.13	40.96	11.35	13.36	3.92	1.01	26.16	19.82	8.70
39000	23.23	38.02	14.12	18.04	2.71	0.98	26.77	20.47	9.10
39500	24.89	36.55	19.68	30.99	2.02	0.94	27.33	20.58	9.20
40000	26.52	35.09	17.25	12.90	1.40	0.85	27.88	20.41	9.20
41000	26.40	36.73	10.19	6.44	1.40	0.69	26.69	19.97	9.10
42000	24.63	41.96	9.47	7.25	2.69	0.89	25.47	18.62	9.20
43000	24.44	41.55	10.82	11.54	3.06	1.01	23.15	17.89	9.30
44000	25.56	44.88	16.19	20.77	4.53	1.00	22.69	17.76	9.50
45000	27.98	44.09	25.03	24.17	3.25	0.98	21.49	17.75	10.70
46000	27.79	47.70	13.73	16.33	4.65	1.01	21.36	16.78	12.10
47000	19.43	46.34	10.71	11.74	9.42	1.02	21.35	15.27	12.80

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 = 4.2V, Id = 480mA @ 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)
18000	14.26	43.40	10.26	13.68	12.46	1.04	24.97	17.45	12.90
20000	21.16	41.76	11.16	17.81	4.88	1.06	25.37	19.02	9.70
21000	23.52	39.45	17.50	29.47	3.15	0.99	25.71	19.49	8.90
22000	26.27	36.13	12.95	11.33	1.47	0.91	26.67	20.27	8.50
23000	24.33	37.27	9.44	8.44	1.89	0.86	26.16	19.88	8.30
24000	22.39	38.35	11.79	10.69	2.73	0.96	26.53	19.64	8.20
25000	23.11	37.33	19.70	20.68	2.62	0.97	27.17	20.75	8.10
26000	25.01	36.53	18.52	14.29	1.93	0.90	27.96	21.36	8.10
27000	24.41	38.87	11.31	11.35	2.31	0.98	28.05	21.58	8.00
28000	22.57	43.26	10.25	11.87	4.70	1.00	28.90	21.87	7.90
29000	21.57	46.58	11.17	12.89	7.77	1.02	29.09	22.13	7.70
30000	21.15	48.59	13.33	15.02	10.93	1.01	29.27	22.46	7.80
30500	20.98	46.82	14.73	15.72	9.27	1.00	29.58	22.49	7.80
31000	20.85	46.96	15.15	15.37	9.52	1.00	29.71	22.53	8.00
31500	20.72	46.15	14.43	14.37	8.66	1.00	29.47	22.46	8.20
32000	20.70	45.89	13.57	13.67	8.32	1.00	29.79	22.31	8.40
32500	20.83	45.26	12.61	13.35	7.55	1.00	30.14	22.42	8.70
33000	21.10	44.95	11.72	13.25	7.00	1.01	29.89	22.29	8.80
33500	21.42	45.21	10.96	13.24	6.87	1.02	29.53	22.16	8.80
34000	21.83	43.20	10.09	12.78	5.12	1.02	28.65	21.60	8.80
34500	22.27	41.04	9.68	12.06	3.76	1.01	29.12	21.75	8.60
35000	22.67	40.72	9.55	11.64	3.42	1.01	28.88	21.62	8.40
35500	23.04	39.44	9.92	12.38	2.86	1.02	29.47	21.72	8.20
36000	23.07	39.22	10.75	15.82	2.89	1.05	29.46	21.80	8.00
36500	22.68	39.69	11.12	21.39	3.32	1.05	29.64	21.62	7.90
37000	22.08	40.24	10.79	17.18	3.72	1.04	29.67	21.41	8.00
37500	21.56	39.74	10.32	13.68	3.54	1.04	29.44	21.58	8.20
38000	21.41	41.20	10.36	12.66	4.18	1.04	28.63	21.28	8.60
38500	21.87	38.86	11.57	13.87	3.22	1.01	27.66	20.76	8.80
39000	22.93	38.51	14.16	18.92	2.95	0.99	27.83	21.15	9.20
39500	24.48	36.59	18.87	25.92	2.10	0.95	28.54	21.20	9.30
40000	25.96	35.51	16.59	12.62	1.52	0.88	28.81	20.94	9.30
41000	25.77	36.66	10.31	6.62	1.47	0.72	27.24	20.47	9.20
42000	24.12	42.36	9.63	7.40	3.03	0.89	26.06	19.14	9.40
43000	24.03	44.72	11.05	11.85	4.65	1.01	24.02	18.04	9.40
44000	25.28	44.90	17.13	19.72	4.68	1.00	23.35	17.83	9.70
45000	27.72	45.98	23.70	23.51	4.12	0.99	21.70	17.87	10.80
46000	27.09	49.86	13.37	15.38	6.40	1.01	21.67	17.20	12.20
47000	18.83	51.23	10.87	11.82	17.85	1.01	22.51	16.16	12.90

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 = 4.75V, Id = 480mA @ 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)			(dBm)	(dBm)	(dB)
18000	13.04	43.42	10.29	13.80	14.39	1.05	25.58	18.21	13.20
20000	20.18	42.05	11.46	19.08	5.70	1.06	26.85	20.28	9.90
21000	22.58	40.04	16.96	36.30	3.72	1.00	27.66	20.87	9.10
22000	24.96	36.93	13.35	12.10	1.85	0.94	28.36	21.61	8.70
23000	23.34	37.47	10.19	9.17	2.20	0.89	27.57	21.02	8.40
24000	21.75	38.47	12.62	11.40	3.06	0.96	27.77	21.11	8.30
25000	22.48	37.64	22.13	20.86	2.90	0.97	28.55	22.26	8.20
26000	23.95	36.91	17.58	13.53	2.20	0.92	29.39	22.72	8.20
27000	23.07	39.46	11.63	11.65	2.90	0.98	29.68	22.81	8.20
28000	21.33	43.58	10.68	12.22	5.67	1.00	29.95	23.12	8.10
29000	20.43	45.86	11.58	13.22	8.25	1.02	30.06	23.23	7.90
30000	20.04	46.34	13.71	15.31	9.63	1.01	30.02	23.42	7.90
30500	19.89	48.08	15.03	16.03	12.18	1.00	30.42	23.51	8.00
31000	19.77	47.67	15.37	15.67	11.73	1.00	30.48	23.50	8.10
31500	19.65	46.17	14.55	14.59	9.86	1.00	30.10	23.39	8.40
32000	19.62	46.93	13.52	13.73	10.63	1.00	30.57	23.22	8.60
32500	19.70	46.63	12.31	13.21	9.99	1.01	30.77	23.25	8.80
33000	19.90	45.99	11.33	12.96	8.93	1.01	30.64	23.16	9.00
33500	20.17	44.35	10.56	12.81	7.09	1.02	30.36	23.15	9.00
34000	20.52	43.04	9.83	12.52	5.77	1.03	29.66	22.75	9.00
34500	20.92	41.91	9.63	12.15	4.81	1.02	30.09	22.89	8.80
35000	21.29	41.53	9.73	11.98	4.39	1.02	29.75	22.72	8.60
35500	21.64	40.36	10.30	12.99	3.76	1.03	30.26	22.81	8.40
36000	21.70	40.10	11.30	16.79	3.80	1.05	30.30	22.87	8.20
36500	21.39	40.03	11.71	23.59	4.03	1.05	30.43	22.69	8.10
37000	20.91	40.91	11.29	18.32	4.63	1.04	30.25	22.56	8.30
37500	20.49	40.98	10.77	14.44	4.69	1.04	30.21	22.68	8.50
38000	20.41	39.62	10.75	13.41	3.99	1.04	29.57	22.55	8.80
38500	20.89	39.03	11.99	15.01	3.71	1.02	29.20	22.19	9.00
39000	21.87	38.54	14.25	20.32	3.33	1.01	29.02	22.24	9.40
39500	23.23	37.68	17.50	20.54	2.65	0.98	30.14	22.20	9.40
40000	24.35	35.86	14.91	11.84	1.79	0.92	30.76	21.91	9.40
41000	23.95	38.04	10.75	7.22	2.06	0.81	28.71	21.54	9.30
42000	22.69	40.14	10.09	8.07	2.90	0.91	27.09	20.68	9.50
43000	22.84	42.24	11.73	12.51	4.10	1.01	24.93	20.22	9.60
44000	24.25	43.80	17.69	17.98	4.64	0.99	24.16	19.59	9.90
45000	26.43	45.27	20.12	23.27	4.37	0.99	22.32	18.94	11.10
46000	25.03	54.66	12.85	14.34	13.84	1.01	22.42	18.47	12.50
47000	16.74	52.14	11.24	11.81	25.37	1.01	23.58	17.25	13.30

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5V, Id = 480mA @ 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)
18000	12.61	43.04	10.32	13.86	14.51	1.05	25.71	18.46	13.30
20000	19.72	41.57	11.42	18.87	5.67	1.06	27.45	20.69	10.00
21000	22.20	39.15	17.20	33.12	3.52	1.00	28.45	21.36	9.20
22000	24.73	36.08	13.17	11.88	1.73	0.94	28.92	22.10	8.80
23000	23.01	37.00	10.07	9.11	2.15	0.89	27.92	21.41	8.50
24000	21.40	37.82	12.60	11.49	2.96	0.96	28.13	21.73	8.40
25000	22.19	37.03	22.46	21.43	2.81	0.97	28.93	22.85	8.30
26000	23.66	36.36	17.23	13.23	2.14	0.91	29.54	23.17	8.30
27000	22.69	39.22	11.59	11.59	2.94	0.98	29.89	23.26	8.20
28000	20.95	43.05	10.74	12.27	5.59	1.00	29.67	23.39	8.20
29000	20.04	45.32	11.56	13.16	8.09	1.02	29.49	23.40	8.00
30000	19.62	46.77	13.61	15.14	10.59	1.01	29.02	23.61	8.10
30500	19.45	45.71	14.96	15.91	9.76	1.00	29.56	23.72	8.10
31000	19.32	46.84	15.27	15.57	11.23	1.00	29.43	23.71	8.20
31500	19.19	45.27	14.58	14.55	9.36	1.00	29.06	23.61	8.50
32000	19.18	45.50	13.61	13.73	9.48	1.00	29.49	23.44	8.70
32500	19.28	45.50	12.45	13.29	9.23	1.00	29.79	23.49	8.90
33000	19.50	45.87	11.40	13.05	9.23	1.01	29.54	23.39	9.10
33500	19.79	43.45	10.59	12.95	6.70	1.02	29.30	23.38	9.10
34000	20.17	42.57	9.82	12.51	5.69	1.03	29.35	23.00	9.10
34500	20.57	41.48	9.46	11.92	4.73	1.02	29.92	23.16	9.00
35000	20.92	40.05	9.50	11.74	3.86	1.01	29.59	22.98	8.70
35500	21.22	39.68	10.09	12.82	3.63	1.03	30.04	23.08	8.50
36000	21.20	39.99	11.14	16.85	3.95	1.05	30.02	23.14	8.30
36500	20.85	40.46	11.61	23.39	4.49	1.05	30.14	22.98	8.30
37000	20.34	40.54	11.31	17.92	4.73	1.04	29.66	22.87	8.30
37500	19.94	39.38	10.82	14.35	4.16	1.04	29.76	23.10	8.60
38000	19.92	39.68	10.93	13.52	4.27	1.03	29.20	23.00	8.90
38500	20.48	38.33	12.25	15.35	3.61	1.02	29.14	22.60	9.20
39000	21.57	36.39	14.94	22.12	2.74	0.99	29.06	22.53	9.50
39500	23.00	35.18	17.63	19.16	2.08	0.95	30.28	22.48	9.50
40000	24.06	35.54	13.92	10.81	1.73	0.91	30.92	22.20	9.50
41000	23.29	36.65	10.44	7.06	1.90	0.79	28.89	21.85	9.40
42000	22.07	40.16	10.14	8.28	3.15	0.92	27.24	21.21	9.60
43000	22.40	43.08	12.08	12.99	4.81	1.01	24.77	20.97	9.70
44000	23.97	45.53	18.71	17.16	5.81	0.99	23.99	20.37	10.10
45000	26.12	45.99	18.94	21.85	4.88	1.00	22.84	19.48	11.30
46000	24.41	55.77	12.52	13.88	16.78	1.01	22.81	18.83	12.60
47000	16.10	52.61	11.28	11.80	28.88	1.01	24.30	17.71	13.50

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 = 480mA @ 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)
18000	12.18	43.13	10.32	13.82	15.38	1.05	25.77	18.67	13.50
20000	19.36	41.39	11.55	19.09	5.81	1.06	28.07	20.95	10.10
21000	21.91	38.94	17.30	34.19	3.56	1.00	29.04	21.72	9.30
22000	24.34	35.99	12.86	11.90	1.77	0.94	29.32	22.52	8.90
23000	22.58	37.02	10.21	9.35	2.28	0.90	28.07	21.91	8.60
24000	21.10	37.75	12.88	11.83	3.07	0.97	28.48	22.24	8.50
25000	22.02	36.58	24.11	22.40	2.74	0.96	29.01	23.17	8.40
26000	23.42	36.21	16.08	12.54	2.13	0.91	28.85	23.44	8.30
27000	22.19	39.07	11.39	11.54	3.03	0.99	29.19	23.49	8.30
28000	20.45	43.64	10.88	12.41	6.35	1.01	28.78	23.55	8.20
29000	19.61	46.69	11.87	13.50	10.06	1.02	27.85	23.55	8.00
30000	19.26	48.50	13.92	15.61	13.53	1.01	26.62	23.77	8.00
30500	19.12	51.15	15.28	16.45	18.98	1.00	27.71	23.91	8.10
31000	19.02	49.07	15.49	16.03	15.09	1.00	27.10	23.89	8.30
31500	18.91	49.04	14.80	14.91	15.01	1.00	26.51	23.81	8.60
32000	18.88	47.06	13.56	13.97	11.73	1.00	27.18	23.64	8.80
32500	18.95	46.31	12.22	13.29	10.46	1.01	27.76	23.71	9.00
33000	19.13	46.58	11.04	12.83	10.34	1.02	27.28	23.59	9.20
33500	19.35	45.73	10.26	12.64	9.01	1.03	27.09	23.57	9.10
34000	19.65	43.83	9.63	12.35	6.90	1.03	27.77	23.21	9.20
34500	20.01	43.53	9.55	12.06	6.36	1.03	28.73	23.38	9.00
35000	20.35	42.14	9.80	12.19	5.26	1.02	28.60	23.19	8.80
35500	20.67	40.42	10.57	13.46	4.28	1.03	29.10	23.30	8.60
36000	20.72	41.01	11.71	17.66	4.76	1.05	29.09	23.38	8.40
36500	20.47	40.11	12.17	26.00	4.55	1.05	29.31	23.23	8.30
37000	20.08	40.10	11.76	19.23	4.68	1.04	28.68	23.13	8.40
37500	19.76	40.53	11.23	15.27	4.92	1.04	28.94	23.39	8.60
38000	19.77	40.59	11.20	14.32	4.88	1.04	28.45	23.30	9.00
38500	20.28	39.17	12.36	16.08	4.08	1.02	28.61	22.90	9.20
39000	21.22	36.89	14.37	21.01	2.98	1.00	28.44	22.77	9.50
39500	22.40	36.41	16.15	17.58	2.49	0.97	29.46	22.71	9.50
40000	23.25	36.81	13.95	11.25	2.17	0.94	30.27	22.46	9.60
41000	22.77	38.75	11.08	7.63	2.55	0.85	28.63	22.10	9.50
42000	21.82	41.09	10.54	8.51	3.66	0.92	26.97	21.59	9.70
43000	22.16	45.97	12.25	12.82	6.89	1.01	24.38	21.31	9.80
44000	23.60	44.10	17.81	16.77	5.14	0.99	23.74	20.71	10.20
45000	25.55	46.20	18.62	22.87	5.34	1.00	23.22	19.89	11.40
46000	23.88	45.57	12.60	14.13	5.53	1.01	23.33	19.13	12.70
47000	15.55	49.44	11.34	11.86	21.39	1.01	24.47	18.06	13.60

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 = 3.8V, Id = 480mA @ 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)			(dBm)	(dBm)	(dB)
18000	19.25	53.16	9.55	12.74	20.89	1.05	24.65	16.29	11.00
20000	29.19	57.50	11.85	26.72	12.16	1.06	22.17	19.03	8.20
21000	30.78	57.42	12.65	20.28	10.07	1.04	22.85	20.19	7.70
22000	30.84	56.61	12.35	14.31	8.80	1.02	22.90	21.42	7.30
23000	29.85	58.57	12.74	12.01	12.17	0.98	23.06	22.08	7.00
24000	29.46	55.32	13.71	11.62	8.78	0.97	23.43	20.88	6.90
25000	29.76	52.37	18.18	14.28	6.42	0.98	22.87	20.76	6.80
26000	30.20	51.28	18.50	13.89	5.37	0.97	23.81	20.63	6.70
27000	30.03	49.91	13.58	11.62	4.42	0.97	23.31	20.81	6.70
28000	28.63	47.79	10.77	11.21	3.97	0.97	22.96	20.82	6.60
29000	27.55	50.92	11.65	12.92	6.50	1.02	24.78	19.62	6.40
30000	27.50	54.01	15.05	16.26	10.03	1.01	26.13	19.78	6.30
30500	27.60	52.00	16.84	16.94	8.00	0.99	25.69	19.93	6.30
31000	27.72	61.26	16.89	16.29	22.77	1.00	24.99	19.77	6.40
31500	27.65	55.15	15.03	14.60	11.10	0.99	24.26	19.77	6.60
32000	27.45	66.00	13.14	12.99	38.20	1.00	24.52	19.64	6.90
32500	27.25	57.49	11.46	11.55	13.97	1.00	25.63	19.01	7.10
33000	27.20	56.58	10.23	10.57	12.10	1.00	26.95	19.08	7.30
33500	27.24	60.08	9.42	10.19	17.50	1.01	26.56	19.19	7.30
34000	27.33	60.56	9.20	10.38	18.34	1.02	25.62	18.63	7.30
34500	27.62	62.76	9.65	11.18	23.60	1.02	25.08	19.10	7.20
35000	27.81	59.36	10.51	12.45	16.19	1.03	24.93	18.96	7.00
35500	28.15	55.33	12.12	14.67	10.36	1.02	24.59	19.31	6.80
36000	28.56	57.53	13.48	19.26	13.27	1.03	24.87	19.54	6.60
36500	28.99	60.97	13.75	29.01	19.00	1.04	25.46	19.55	6.30
37000	29.22	57.77	13.03	28.02	12.70	1.05	25.19	19.32	6.40
37500	29.27	61.90	11.74	19.10	19.69	1.05	24.34	20.26	6.70
38000	29.29	55.79	10.47	15.34	9.32	1.06	22.76	20.71	7.00
38500	29.37	58.43	10.03	13.87	12.26	1.05	20.57	21.43	7.10
39000	29.42	50.32	9.66	13.81	4.85	1.04	28.84	20.14	7.40
39500	29.44	55.56	9.97	14.70	8.87	1.06	22.74	20.23	7.50
40000	29.81	50.37	11.32	16.74	4.92	1.04	23.53	18.38	7.40
41000	30.98	48.17	13.82	11.42	3.30	0.94	24.02	19.06	7.30
42000	30.59	47.40	12.10	6.62	2.50	0.84	23.03	19.34	7.40
43000	31.47	52.93	11.96	6.81	4.35	0.85	22.75	19.41	7.10
44000	31.51	68.27	12.34	13.72	31.10	1.01	25.84	18.41	6.90
45000	32.03	57.50	16.03	22.60	9.12	1.02	23.42	18.86	7.30
46000	34.26	53.82	16.80	12.81	4.49	0.95	25.00	18.00	8.70
47000	36.27	48.62	10.13	10.96	1.79	0.98	23.86	16.52	10.60

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4V, Id = 480mA @ 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)
18000	17.45	49.26	9.62	12.85	16.49	1.05	25.11	16.98	11.20
20000	26.13	50.62	11.30	23.10	7.73	1.07	22.17	19.18	8.30
21000	27.87	48.85	13.96	26.63	5.40	1.03	22.47	20.45	7.80
22000	28.97	46.86	13.89	14.46	3.66	1.00	22.90	21.50	7.40
23000	28.07	46.50	11.69	10.43	3.67	0.94	23.11	22.12	7.00
24000	26.98	46.64	12.39	10.43	4.15	0.96	23.28	20.58	6.90
25000	27.04	45.45	17.21	14.85	3.99	0.98	23.07	20.74	6.80
26000	27.95	43.82	22.79	15.75	3.08	0.96	24.32	20.78	6.80
27000	28.17	43.41	13.31	11.06	2.60	0.94	23.60	20.99	6.70
28000	26.48	44.71	10.25	10.74	3.52	0.97	23.42	20.88	6.70
29000	25.27	48.57	11.50	12.73	6.41	1.02	25.73	19.90	6.40
30000	25.20	52.30	14.66	15.98	10.69	1.01	26.79	20.31	6.40
30500	25.25	55.08	16.25	16.37	14.82	1.00	26.43	20.40	6.40
31000	25.29	58.91	16.15	15.64	22.80	1.00	25.69	20.16	6.50
31500	25.17	60.02	14.83	14.18	25.72	0.99	24.98	20.04	6.60
32000	25.01	54.86	13.16	12.89	13.99	1.00	25.28	19.85	6.90
32500	24.92	59.09	11.67	11.70	22.16	1.00	26.48	19.63	7.20
33000	24.96	60.37	10.49	10.88	24.64	1.00	27.71	19.84	7.40
33500	25.02	56.62	9.65	10.53	15.52	1.01	27.32	19.86	7.30
34000	25.17	61.36	9.46	10.74	26.20	1.02	26.22	19.16	7.40
34500	25.47	55.60	9.88	11.52	13.42	1.02	25.75	19.49	7.30
35000	25.72	55.85	10.75	12.78	13.90	1.03	25.61	19.31	7.10
35500	26.20	53.61	12.12	14.64	10.62	1.03	25.39	19.60	6.80
36000	26.75	58.19	13.18	17.82	17.44	1.03	25.57	19.88	6.60
36500	27.21	53.27	13.05	23.80	9.53	1.04	26.09	19.94	6.40
37000	27.37	49.46	12.10	28.61	6.00	1.05	26.00	19.69	6.50
37500	27.22	51.64	10.54	17.75	7.44	1.07	25.09	20.61	6.80
38000	26.83	49.28	9.28	13.41	5.57	1.07	23.50	20.97	7.00
38500	26.37	45.08	8.97	11.87	3.60	1.03	20.75	21.43	7.30
39000	26.05	44.61	9.22	12.23	3.64	1.02	24.97	21.58	7.50
39500	26.14	43.54	10.37	14.22	3.34	1.02	22.82	20.24	7.60
40000	27.02	41.30	13.13	20.56	2.53	1.00	24.37	18.70	7.50
41000	30.06	38.03	19.10	8.70	1.31	0.68	24.71	19.41	7.40
42000	29.05	39.86	10.22	4.48	1.07	0.67	23.64	19.61	7.50
43000	28.20	44.41	9.58	7.67	2.39	0.92	22.32	19.65	7.20
44000	28.24	47.01	12.60	20.46	4.14	1.03	24.81	18.91	7.00
45000	30.38	45.49	18.33	17.54	2.86	0.96	23.00	19.14	7.50
46000	35.38	46.02	17.16	29.06	1.82	0.93	24.75	18.36	9.10
47000	29.02	45.58	9.05	8.86	2.56	0.98	23.38	16.72	10.80

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 = 4.2V, Id = 480mA @ 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)
18000	16.25	48.69	9.66	12.87	17.72	1.05	25.52	17.62	11.30
20000	24.67	49.76	11.63	24.55	8.35	1.06	22.43	19.25	8.30
21000	26.54	48.44	14.07	24.49	5.99	1.03	22.27	20.59	7.80
22000	27.56	46.47	13.54	14.38	4.09	1.00	23.03	21.53	7.40
23000	26.73	47.25	12.07	10.98	4.69	0.96	23.03	21.95	7.10
24000	25.90	46.70	13.07	11.05	4.84	0.96	23.14	20.31	7.00
25000	26.02	45.32	18.08	14.91	4.43	0.98	23.67	20.86	6.80
26000	26.76	43.94	20.11	14.62	3.51	0.96	25.36	20.93	6.80
27000	26.63	44.80	13.15	11.61	3.63	0.96	24.45	21.16	6.80
28000	25.10	47.40	10.40	11.46	5.62	1.00	24.01	20.78	6.70
29000	23.98	50.20	11.43	13.09	9.00	1.02	26.72	20.38	6.50
30000	23.78	51.47	14.26	15.75	11.37	1.01	27.71	20.85	6.40
30500	23.74	56.30	15.63	16.15	20.20	1.00	27.37	20.95	6.40
31000	23.69	53.40	15.57	15.32	14.47	1.00	26.83	20.59	6.60
31500	23.53	56.51	14.36	13.99	20.60	1.00	26.26	20.45	6.70
32000	23.41	52.41	13.10	12.89	12.70	1.00	26.72	20.14	7.00
32500	23.40	54.08	11.87	11.93	14.95	1.00	27.79	20.15	7.20
33000	23.54	56.46	10.78	11.21	18.74	1.00	28.63	20.56	7.40
33500	23.67	60.29	10.01	10.89	28.13	1.01	28.18	20.56	7.40
34000	23.87	52.28	9.64	10.78	10.86	1.01	27.02	19.78	7.40
34500	24.15	51.50	9.94	11.22	9.74	1.01	26.68	20.00	7.30
35000	24.39	50.93	10.76	12.14	9.20	1.01	26.48	19.81	7.10
35500	24.80	49.57	11.99	14.17	7.80	1.02	26.42	19.95	6.90
36000	25.15	50.34	13.28	18.69	8.55	1.03	26.62	20.14	6.70
36500	25.35	50.14	13.44	29.44	8.30	1.04	27.13	20.18	6.50
37000	25.33	50.13	12.84	23.33	8.23	1.04	26.99	20.12	6.60
37500	25.20	52.62	11.74	16.99	10.73	1.05	25.90	21.16	6.80
38000	25.14	50.04	10.99	14.46	7.78	1.04	24.10	21.38	7.10
38500	25.26	47.80	11.17	14.02	5.99	1.03	21.63	21.10	7.30
39000	25.63	48.62	12.02	15.37	6.47	1.02	22.94	21.46	7.60
39500	26.43	46.53	13.80	17.53	4.83	1.01	23.11	20.27	7.60
40000	27.43	44.45	16.04	16.12	3.46	0.98	25.98	19.06	7.60
41000	28.14	44.68	13.07	8.66	2.91	0.86	25.89	19.78	7.50
42000	27.31	48.49	10.83	7.06	4.22	0.87	24.18	19.84	7.50
43000	27.41	45.87	10.65	9.39	3.35	0.97	22.72	20.01	7.30
44000	27.95	56.22	13.68	17.48	12.21	1.02	23.65	19.40	7.20
45000	29.52	49.03	18.78	26.49	4.71	1.00	22.50	19.38	7.80
46000	31.24	52.62	23.42	15.44	5.72	0.97	24.12	18.67	9.50
47000	26.84	52.97	9.61	10.41	8.24	1.00	21.40	16.89	10.90

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 = 4.75V, Id = 480mA @ 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)
18000	14.27	48.85	9.77	13.05	22.77	1.05	26.55	18.88	11.70
20000	22.54	49.82	11.92	25.86	10.81	1.06	24.24	19.95	8.60
21000	24.49	49.17	13.80	22.53	8.18	1.03	23.36	20.95	8.00
22000	25.42	47.31	13.31	14.54	5.72	1.01	24.25	21.60	7.50
23000	24.80	47.39	12.70	11.77	6.04	0.97	24.36	21.80	7.20
24000	24.27	47.00	14.12	11.87	6.19	0.97	23.96	20.08	7.10
25000	24.42	45.56	18.68	14.57	5.46	0.97	25.32	21.03	7.00
26000	24.85	44.37	17.70	13.34	4.46	0.96	27.39	21.77	7.00
27000	24.32	45.99	12.91	11.90	5.40	0.98	26.66	21.79	6.90
28000	22.86	46.82	10.95	12.10	6.90	1.00	27.31	21.67	6.80
29000	21.93	50.55	11.97	13.65	12.07	1.02	29.62	22.81	6.60
30000	21.74	55.14	14.34	16.15	21.99	1.01	30.16	23.44	6.70
30500	21.67	53.96	15.58	16.45	19.59	1.00	30.39	23.23	6.60
31000	21.60	56.80	15.54	15.54	27.22	1.00	29.98	23.35	6.70
31500	21.43	56.76	14.34	14.20	27.05	1.00	29.53	22.97	6.90
32000	21.32	52.31	13.07	13.01	15.96	1.00	29.96	22.95	7.20
32500	21.31	50.74	11.72	11.99	12.93	1.00	30.88	23.22	7.40
33000	21.41	55.75	10.54	11.20	21.99	1.01	31.13	23.28	7.60
33500	21.51	56.09	9.83	10.82	22.12	1.01	30.42	23.12	7.60
34000	21.69	54.67	9.52	10.78	18.25	1.01	29.29	21.81	7.60
34500	21.94	51.22	9.91	11.29	12.19	1.01	29.29	21.71	7.50
35000	22.20	53.92	10.78	12.34	16.71	1.02	29.00	21.54	7.20
35500	22.59	51.70	12.14	14.63	12.95	1.02	29.33	21.71	7.00
36000	22.90	55.62	13.71	19.37	20.47	1.03	29.43	21.91	6.80
36500	23.08	50.78	13.93	31.77	11.65	1.04	29.88	21.79	6.70
37000	23.10	51.58	13.35	23.63	12.62	1.04	29.72	21.43	6.80
37500	23.04	50.45	12.33	17.77	10.85	1.04	28.84	21.96	7.00
38000	23.06	47.80	11.56	15.39	7.77	1.04	26.28	21.74	7.30
38500	23.25	48.45	11.86	15.21	8.26	1.03	21.71	21.19	7.50
39000	23.68	45.60	12.60	16.25	5.79	1.02	22.07	21.36	7.80
39500	24.43	45.12	14.08	16.24	5.12	1.01	27.24	21.40	7.90
40000	25.15	48.75	14.64	13.41	7.02	0.98	29.65	21.26	7.90
41000	25.27	44.03	12.49	8.70	3.68	0.88	28.15	21.23	7.70
42000	24.77	50.04	11.23	7.97	7.08	0.91	25.38	20.68	7.80
43000	25.09	47.96	11.46	10.64	5.86	0.99	21.71	21.14	7.70
44000	25.92	50.11	15.12	16.80	7.71	1.01	21.54	20.27	7.80
45000	27.61	58.18	19.10	29.12	16.67	1.01	21.41	19.98	8.70
46000	28.01	51.90	16.13	15.23	7.41	0.99	22.38	19.41	10.40
47000	21.20	52.43	10.49	10.44	15.08	0.99	21.67	17.36	11.30

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5V, Id = 480mA @ 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)
18000	13.59	45.13	9.80	13.13	16.11	1.05	26.57	19.26	11.90
20000	21.54	45.81	11.45	22.36	7.56	1.06	25.76	20.56	8.80
21000	23.75	43.56	15.19	29.21	4.78	1.02	24.97	21.15	8.10
22000	25.50	41.03	13.87	13.34	2.77	0.98	25.55	21.72	7.60
23000	24.40	41.21	11.14	10.08	3.02	0.93	25.66	21.93	7.30
24000	23.19	41.85	12.79	11.25	3.80	0.96	25.21	20.05	7.20
25000	23.59	40.59	19.86	17.20	3.49	0.98	26.75	20.71	7.10
26000	24.68	39.42	19.29	13.59	2.66	0.94	28.72	22.11	7.10
27000	24.03	40.80	12.10	11.35	3.04	0.97	28.37	22.34	7.00
28000	22.23	44.36	10.66	11.90	5.57	1.00	28.95	22.90	6.90
29000	21.29	46.31	11.97	13.60	7.96	1.02	30.28	23.71	6.70
30000	21.07	53.94	14.34	16.05	20.67	1.01	30.40	23.89	6.60
30500	20.98	53.02	15.70	16.38	19.06	1.00	31.22	24.00	6.60
31000	20.89	52.05	15.73	15.68	17.13	1.00	30.33	23.97	6.80
31500	20.75	48.75	14.57	14.43	11.68	1.00	29.94	23.78	7.00
32000	20.70	51.70	13.40	13.40	16.13	1.00	30.41	23.68	7.20
32500	20.74	49.09	12.03	12.46	11.54	1.00	31.43	23.76	7.50
33000	20.85	55.15	10.77	11.71	22.16	1.01	30.99	23.72	7.60
33500	20.98	55.16	10.02	11.33	21.44	1.02	30.23	23.68	7.60
34000	21.16	47.94	9.54	11.14	9.06	1.02	30.17	23.09	7.70
34500	21.39	49.16	9.89	11.59	10.31	1.02	30.66	22.88	7.60
35000	21.65	49.68	10.69	12.69	10.98	1.02	30.29	22.67	7.30
35500	21.99	49.84	11.96	15.05	11.22	1.03	30.90	22.63	7.10
36000	22.25	50.94	13.63	20.25	12.90	1.03	30.95	22.81	6.90
36500	22.38	48.82	14.03	35.87	10.10	1.04	31.38	22.48	6.70
37000	22.42	51.64	13.47	23.28	13.76	1.04	31.02	22.30	6.80
37500	22.40	48.73	12.46	17.84	9.62	1.04	30.96	22.38	7.10
38000	22.45	51.32	11.82	15.65	12.60	1.04	28.93	21.97	7.40
38500	22.70	46.99	12.14	15.67	7.49	1.03	28.92	21.48	7.60
39000	23.21	45.54	13.03	16.93	6.11	1.02	28.91	21.08	7.90
39500	24.01	45.87	14.54	16.46	5.87	1.01	28.92	22.57	8.00
40000	24.72	45.63	14.55	13.17	5.13	0.98	30.77	22.21	8.00
41000	24.75	46.73	12.32	8.93	5.27	0.90	29.59	21.83	7.80
42000	24.30	48.35	11.21	8.61	6.35	0.93	26.27	21.00	7.90
43000	24.67	56.26	11.58	11.33	16.33	0.99	21.25	21.45	7.90
44000	25.63	50.56	15.08	15.72	8.35	1.00	20.96	20.54	8.00
45000	27.06	58.43	18.75	31.45	18.25	1.01	21.02	20.17	9.00
46000	27.20	63.10	15.57	14.81	29.28	0.99	21.20	19.67	10.60
47000	20.27	49.48	10.53	10.64	11.99	1.00	21.41	17.59	11.50

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 = 480mA @ 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)
18000	13.01	45.72	9.89	13.20	18.48	1.05	26.27	19.44	12.10
20000	20.91	45.75	11.27	20.79	8.02	1.07	27.60	21.27	8.90
21000	22.93	43.34	14.68	30.11	5.10	1.02	27.60	21.54	8.10
22000	24.74	40.73	14.51	14.38	2.97	0.98	27.71	22.03	7.70
23000	23.85	40.76	11.26	10.17	3.08	0.93	27.51	21.61	7.40
24000	22.54	40.95	12.70	11.16	3.69	0.96	27.58	20.79	7.30
25000	22.91	39.92	19.93	17.83	3.51	0.98	28.60	22.94	7.20
26000	24.13	38.76	18.38	13.67	2.63	0.94	28.53	23.54	7.10
27000	23.17	40.65	11.79	11.80	3.29	0.99	28.94	23.45	7.00
28000	21.37	44.39	11.19	12.83	6.30	1.01	29.45	23.90	7.00
29000	20.77	49.33	12.82	14.82	12.28	1.02	29.18	23.94	6.80
30000	20.67	55.46	14.60	16.91	25.93	1.01	27.18	24.12	6.70
30500	20.55	58.27	15.61	17.02	36.67	1.01	28.74	24.27	6.80
31000	20.41	70.39	15.42	16.04	149.26	1.00	26.73	24.28	6.90
31500	20.23	65.50	14.35	14.61	85.27	1.00	26.25	24.06	7.10
32000	20.14	54.50	13.08	13.44	23.68	1.00	27.09	23.98	7.30
32500	20.13	53.46	11.64	12.44	20.33	1.01	28.92	24.04	7.60
33000	20.19	57.30	10.47	11.73	30.45	1.02	28.16	23.99	7.80
33500	20.29	54.33	9.83	11.47	20.97	1.02	27.26	23.97	7.70
34000	20.44	61.32	9.55	11.48	45.75	1.03	28.73	23.59	7.80
34500	20.66	53.85	10.18	12.25	19.48	1.03	30.15	23.72	7.70
35000	20.95	54.94	11.24	13.68	22.22	1.03	30.07	23.53	7.40
35500	21.33	59.45	12.85	16.08	37.29	1.03	30.33	23.64	7.20
36000	21.71	53.97	14.68	19.79	19.61	1.02	30.49	23.67	6.90
36500	22.00	66.53	15.12	27.24	81.41	1.03	30.83	23.44	6.90
37000	22.18	54.12	14.26	27.41	18.99	1.04	29.97	23.13	6.90
37500	22.22	51.80	12.92	20.10	14.15	1.04	30.50	23.28	7.20
38000	22.24	53.14	11.87	16.63	16.03	1.04	29.26	22.70	7.50
38500	22.36	52.77	11.91	15.80	15.07	1.04	28.20	21.71	7.70
39000	22.73	48.77	12.47	15.71	9.21	1.03	29.14	23.01	8.00
39500	23.33	50.84	13.44	14.81	10.95	1.01	30.39	22.92	8.10
40000	23.83	49.44	13.72	12.70	8.68	0.98	32.11	22.62	8.10
41000	23.84	51.56	12.74	9.80	10.40	0.94	30.76	22.44	7.90
42000	23.79	54.21	12.11	9.73	14.01	0.94	27.47	21.29	8.10
43000	24.53	55.71	12.77	11.28	15.83	0.98	21.61	21.51	8.00
44000	25.63	53.65	14.56	13.43	11.64	0.98	21.90	20.89	8.20
45000	26.35	49.51	15.63	27.87	7.01	1.02	20.60	20.33	9.20
46000	25.45	49.79	15.15	13.16	7.67	0.97	20.05	19.80	10.90
47000	19.71	55.56	11.46	11.64	26.83	1.00	21.21	17.68	11.70

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 = 3.8V, Id = 480mA @ 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)
18000	14.16	64.76	10.80	14.49	149.83	1.04	24.40	16.40	13.70
20000	22.23	60.89	11.74	20.37	39.60	1.06	25.07	17.95	10.50
21000	23.31	65.38	12.42	17.44	58.73	1.04	25.82	18.66	9.70
22000	23.78	63.31	14.29	15.36	44.31	1.01	26.62	19.49	9.30
23000	23.99	65.49	16.46	13.76	55.65	0.98	25.86	18.76	9.00
24000	24.16	64.36	17.42	12.31	47.30	0.96	26.51	19.28	8.90
25000	23.86	65.27	16.18	11.84	53.63	0.96	26.90	20.14	8.90
26000	23.34	64.01	14.71	12.65	49.42	0.98	27.48	20.62	8.90
27000	22.56	60.10	13.10	13.78	34.33	1.00	27.86	20.85	8.90
28000	21.70	57.98	11.59	13.51	28.92	1.02	28.13	21.10	8.80
29000	20.93	57.85	11.77	13.63	31.35	1.02	28.18	21.24	8.60
30000	20.49	56.08	13.96	15.63	28.08	1.01	28.29	21.47	8.70
30500	20.40	58.14	15.62	16.29	36.62	1.00	28.66	21.51	8.70
31000	20.40	54.10	16.07	15.70	23.00	1.00	28.81	21.42	8.90
31500	20.32	61.52	15.26	14.13	53.55	0.99	28.58	21.42	9.10
32000	20.24	56.35	13.56	12.67	28.88	0.99	28.90	21.22	9.30
32500	20.15	58.15	11.57	11.32	34.16	0.99	29.17	21.32	9.60
33000	20.09	55.14	10.17	10.47	23.16	1.00	28.86	21.15	9.70
33500	20.05	67.87	9.53	10.37	99.16	1.01	28.56	21.07	9.70
34000	20.17	58.22	9.57	11.00	32.62	1.02	28.04	20.64	9.70
34500	20.49	57.74	10.30	12.16	31.01	1.03	28.60	20.86	9.60
35000	20.81	57.84	11.33	13.81	31.55	1.03	28.35	20.81	9.30
35500	21.22	60.46	12.73	16.80	42.45	1.03	28.99	20.89	9.20
36000	21.49	59.02	14.16	24.31	36.08	1.03	28.87	20.97	8.90
36500	21.71	62.33	13.86	37.93	51.48	1.04	28.84	20.76	8.90
37000	21.78	56.73	12.48	21.18	26.21	1.05	28.68	20.65	9.00
37500	21.71	56.30	11.18	16.52	24.23	1.05	27.80	20.78	9.30
38000	21.75	53.64	10.39	14.71	17.23	1.06	27.30	20.68	9.60
38500	21.91	57.24	10.14	14.09	25.32	1.06	27.58	20.39	9.90
39000	22.04	57.87	10.06	13.52	26.58	1.05	27.70	20.35	10.20
39500	22.29	51.32	10.67	12.78	12.21	1.03	28.01	20.31	10.20
40000	22.50	54.50	11.36	11.89	17.18	1.01	27.64	20.03	10.20
41000	22.30	48.38	11.72	10.62	8.68	0.97	26.14	19.37	10.10
42000	21.85	54.78	11.12	10.50	18.67	0.98	25.43	18.38	10.20
43000	22.48	58.94	12.21	14.26	30.09	1.02	24.88	17.67	10.30
44000	23.93	63.32	15.89	18.96	44.87	1.01	23.96	16.68	10.80
45000	24.87	58.21	16.16	29.10	22.65	1.02	22.39	15.68	12.00
46000	23.30	52.85	14.54	13.84	13.93	0.99	22.27	15.19	13.00
47000	15.31	62.50	12.85	12.65	102.67	0.99	22.95	15.38	13.90

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4V, Id = 480mA @ 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)
18000	13.79	66.71	10.78	14.52	195.62	1.04	24.65	16.82	13.90
20000	21.99	61.51	11.77	20.74	43.77	1.06	25.55	18.55	10.60
21000	23.15	67.57	12.44	17.68	77.05	1.04	26.46	19.26	9.80
22000	23.68	61.15	14.32	15.54	34.99	1.01	27.08	20.09	9.40
23000	23.90	61.51	16.44	13.87	35.58	0.98	26.09	19.18	9.10
24000	24.07	61.46	17.35	12.36	34.22	0.96	26.91	19.76	9.00
25000	23.76	62.15	16.17	11.88	37.93	0.96	27.42	20.64	9.00
26000	23.22	64.70	14.65	12.67	54.19	0.98	27.93	21.08	9.00
27000	22.41	60.18	13.04	13.85	35.19	1.01	28.17	21.34	9.00
28000	21.52	75.80	11.63	13.57	230.29	1.02	28.53	21.53	8.90
29000	20.75	54.65	11.75	13.80	22.15	1.02	28.66	21.69	8.80
30000	20.31	61.34	13.93	15.88	52.63	1.01	28.82	21.94	8.90
30500	20.20	57.31	15.55	16.43	34.03	1.00	29.22	21.98	8.90
31000	20.19	56.02	16.00	15.83	29.42	1.00	29.27	21.93	9.00
31500	20.11	55.57	15.28	14.28	27.73	0.99	29.06	21.92	9.20
32000	20.03	54.09	13.55	12.84	22.88	0.99	29.29	21.73	9.40
32500	19.95	54.68	11.59	11.51	23.53	1.00	29.51	21.81	9.70
33000	19.92	54.68	10.20	10.70	22.57	1.01	29.27	21.65	9.80
33500	19.90	56.40	9.55	10.61	27.06	1.02	28.97	21.56	9.80
34000	20.03	58.81	9.55	11.13	35.58	1.03	28.26	21.08	9.80
34500	20.35	62.01	10.24	12.23	51.52	1.03	28.89	21.30	9.60
35000	20.67	62.44	11.27	13.81	54.36	1.03	28.62	21.22	9.40
35500	21.09	59.94	12.65	16.71	40.56	1.03	29.14	21.30	9.20
36000	21.36	56.68	14.09	23.38	27.90	1.03	29.02	21.39	9.00
36500	21.60	57.76	13.79	48.24	30.81	1.04	29.09	21.20	9.00
37000	21.71	55.26	12.52	22.90	22.35	1.05	29.12	21.13	9.10
37500	21.69	55.85	11.28	17.69	23.22	1.06	28.76	21.23	9.40
38000	21.75	53.81	10.39	15.46	17.65	1.06	28.31	21.18	9.70
38500	21.90	53.99	10.12	14.64	17.48	1.06	27.91	20.90	10.00
39000	22.03	54.37	10.03	13.74	17.80	1.06	27.64	20.83	10.30
39500	22.27	63.39	10.63	12.80	49.19	1.03	27.98	20.76	10.30
40000	22.50	54.16	11.28	11.79	16.53	1.00	28.02	20.50	10.30
41000	22.37	57.52	11.73	10.43	24.34	0.97	26.56	19.95	10.20
42000	21.99	56.87	11.10	10.01	23.11	0.97	26.09	19.08	10.30
43000	22.49	55.62	12.06	13.11	20.18	1.01	25.33	18.58	10.40
44000	23.84	57.97	15.96	17.71	24.39	1.01	24.26	17.61	10.90
45000	24.88	51.44	16.23	30.13	10.40	1.02	22.59	15.62	12.20
46000	23.43	50.38	14.48	13.70	10.34	0.99	22.76	16.16	13.20
47000	15.51	60.03	12.82	12.33	75.11	0.99	23.03	15.88	14.20

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 = 4.2V, Id = 480mA @ 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)
18000	13.36	69.13	10.78	14.51	271.45	1.05	24.94	17.18	14.00
20000	21.59	64.10	11.81	20.94	61.84	1.06	25.96	19.14	10.70
21000	22.82	64.09	12.49	17.81	53.66	1.04	26.94	19.95	9.90
22000	23.40	61.99	14.38	15.66	39.85	1.01	27.64	20.49	9.50
23000	23.64	73.75	16.41	13.90	150.16	0.98	26.48	19.41	9.20
24000	23.79	67.34	17.28	12.36	69.53	0.96	27.25	20.31	9.10
25000	23.47	69.92	16.13	11.85	95.74	0.96	27.82	21.26	9.10
26000	22.91	66.56	14.64	12.64	69.51	0.98	28.42	21.57	9.10
27000	22.08	62.96	13.08	13.82	50.41	1.01	28.58	21.73	9.10
28000	21.17	62.96	11.65	13.60	54.80	1.02	28.90	21.86	9.00
29000	20.39	60.02	11.84	13.82	42.98	1.02	29.02	22.06	8.80
30000	19.94	58.14	13.96	15.84	37.96	1.01	29.27	22.39	8.90
30500	19.83	57.50	15.61	16.44	36.32	1.00	29.69	22.48	8.90
31000	19.81	54.58	16.06	15.75	26.04	1.00	29.76	22.46	9.10
31500	19.72	55.35	15.29	14.31	28.28	0.99	29.53	22.43	9.30
32000	19.64	57.30	13.58	12.83	34.61	0.99	29.79	22.23	9.50
32500	19.56	54.74	11.61	11.51	24.82	0.99	29.97	22.28	9.70
33000	19.53	51.32	10.25	10.74	16.04	1.01	29.64	22.12	9.90
33500	19.53	60.13	9.57	10.66	43.54	1.02	29.30	22.03	9.90
34000	19.67	57.45	9.59	11.23	31.81	1.03	28.56	21.51	9.90
34500	20.00	69.28	10.26	12.26	124.07	1.03	29.05	21.65	9.70
35000	20.32	74.60	11.26	13.80	229.37	1.03	28.77	21.60	9.50
35500	20.73	56.89	12.67	16.66	29.75	1.03	29.31	21.71	9.30
36000	21.01	54.78	14.16	23.10	23.37	1.03	29.30	21.84	9.10
36500	21.25	65.61	13.88	43.77	79.23	1.04	29.39	21.68	9.10
37000	21.38	54.43	12.70	23.39	21.18	1.05	29.49	21.65	9.20
37500	21.39	65.07	11.39	18.09	69.78	1.06	29.24	21.73	9.50
38000	21.45	65.55	10.48	15.70	71.04	1.06	28.80	21.67	9.80
38500	21.58	69.37	10.15	14.73	106.93	1.06	28.40	21.35	10.10
39000	21.68	60.41	10.01	13.64	37.14	1.05	28.18	21.24	10.40
39500	21.89	55.43	10.62	12.70	20.50	1.03	28.48	21.14	10.40
40000	22.08	53.42	11.24	11.69	15.91	1.00	28.39	20.82	10.30
41000	21.97	52.62	11.72	10.45	14.55	0.97	26.90	20.30	10.30
42000	21.69	59.13	11.21	10.09	31.09	0.97	26.49	19.68	10.40
43000	22.19	51.29	12.06	12.95	12.65	1.01	25.58	19.45	10.50
44000	23.47	53.20	16.01	17.11	14.67	1.00	24.75	18.41	11.10
45000	24.44	67.19	16.26	29.24	66.93	1.02	22.87	15.45	12.30
46000	22.91	61.00	14.12	13.70	36.96	0.99	23.16	16.95	13.30
47000	15.06	64.58	12.72	12.26	133.17	0.99	23.04	16.32	14.40

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 = 4.75V, Id = 480mA @ 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)
18000	12.36	64.87	10.81	14.59	186.85	1.05	25.51	17.92	14.30
20000	20.68	61.34	11.89	21.56	50.06	1.06	27.20	20.25	10.90
21000	22.08	64.46	12.60	18.17	61.16	1.04	28.27	21.02	10.20
22000	22.78	64.78	14.46	15.88	59.19	1.01	28.73	21.80	9.70
23000	23.07	67.79	16.42	13.98	80.78	0.98	27.34	20.72	9.40
24000	23.18	63.88	17.21	12.35	50.03	0.96	27.96	21.50	9.30
25000	22.81	71.90	16.09	11.83	129.74	0.96	28.68	22.41	9.30
26000	22.19	65.75	14.65	12.60	68.84	0.98	29.06	22.67	9.30
27000	21.31	62.78	13.10	13.79	53.95	1.01	29.29	22.77	9.30
28000	20.35	68.29	11.72	13.60	111.20	1.02	29.33	22.88	9.20
29000	19.54	56.71	11.97	13.90	32.41	1.02	29.41	22.95	9.00
30000	19.08	59.16	14.00	15.88	47.19	1.01	29.37	23.15	9.10
30500	18.96	54.55	15.61	16.48	28.62	1.00	29.66	23.24	9.10
31000	18.92	61.98	16.18	15.80	67.56	1.00	29.84	23.19	9.30
31500	18.83	62.37	15.34	14.25	70.28	0.99	29.47	23.13	9.50
32000	18.74	54.77	13.64	12.85	28.74	0.99	29.76	22.93	9.70
32500	18.67	59.73	11.72	11.61	49.02	0.99	29.75	22.97	10.00
33000	18.67	56.96	10.38	10.87	34.16	1.00	29.58	22.86	10.20
33500	18.70	54.95	9.70	10.79	26.53	1.02	29.36	22.83	10.10
34000	18.89	62.37	9.65	11.35	61.61	1.03	28.84	22.38	10.10
34500	19.21	60.66	10.25	12.29	50.47	1.03	29.26	22.58	9.90
35000	19.53	61.23	11.20	13.69	53.86	1.03	28.96	22.47	9.70
35500	19.92	58.16	12.56	16.47	37.73	1.03	29.34	22.55	9.50
36000	20.20	61.37	14.06	22.40	54.63	1.03	29.34	22.67	9.30
36500	20.46	58.14	13.89	36.36	36.75	1.04	29.36	22.51	9.30
37000	20.59	64.57	12.64	25.15	74.55	1.05	29.11	22.50	9.40
37500	20.59	59.99	11.26	19.07	42.66	1.06	29.01	22.61	9.70
38000	20.56	56.24	10.22	16.05	26.82	1.07	28.73	22.54	10.00
38500	20.54	55.38	9.88	14.65	23.87	1.07	28.69	22.20	10.30
39000	20.52	57.74	9.88	13.44	31.02	1.05	28.70	22.01	10.60
39500	20.72	56.15	10.61	12.47	25.39	1.03	29.27	21.94	10.60
40000	20.95	51.26	11.44	11.41	14.10	1.00	29.36	21.72	10.60
41000	20.99	49.71	12.21	10.29	11.71	0.95	27.29	21.36	10.50
42000	21.01	51.17	11.74	10.11	13.58	0.96	26.44	20.87	10.70
43000	21.57	53.59	12.58	12.69	17.81	1.00	25.16	20.52	10.90
44000	22.81	56.79	16.29	16.12	23.83	1.00	24.65	19.84	11.40
45000	23.73	50.27	16.46	27.73	10.38	1.02	23.73	18.90	12.60
46000	22.02	58.55	13.74	13.32	30.59	0.99	23.99	18.27	13.70
47000	14.20	60.45	12.81	12.01	91.21	0.99	22.93	17.21	14.80

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 = 480mA @ 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)
18000	11.91	61.63	10.81	14.58	135.55	1.04	25.62	18.16	14.50
20000	20.25	61.99	11.92	21.74	56.75	1.06	27.70	20.58	11.10
21000	21.70	60.26	12.64	18.30	39.47	1.04	28.77	21.42	10.20
22000	22.44	65.02	14.51	15.93	63.29	1.01	28.95	22.25	9.80
23000	22.75	63.41	16.42	13.98	50.65	0.98	27.53	21.13	9.50
24000	22.83	68.86	17.13	12.32	92.39	0.96	28.21	21.94	9.40
25000	22.43	66.64	16.06	11.81	73.91	0.96	28.70	22.79	9.30
26000	21.79	65.88	14.68	12.54	73.09	0.98	28.90	22.99	9.40
27000	20.88	80.31	13.16	13.74	426.40	1.00	29.10	23.04	9.40
28000	19.89	65.59	11.83	13.56	86.13	1.02	28.98	23.09	9.30
29000	19.07	60.29	12.20	13.87	51.89	1.02	28.62	23.15	9.20
30000	18.63	64.00	14.24	15.91	87.04	1.01	28.16	23.36	9.20
30500	18.51	56.49	15.90	16.40	37.72	1.00	28.66	23.47	9.30
31000	18.46	61.65	16.34	15.71	68.63	1.00	28.71	23.43	9.40
31500	18.36	55.08	15.42	14.24	32.10	0.99	28.22	23.36	9.70
32000	18.27	54.07	13.76	12.75	27.98	0.99	28.54	23.17	9.90
32500	18.20	56.29	11.81	11.54	34.81	0.99	28.62	23.22	10.10
33000	18.20	59.16	10.49	10.89	46.61	1.00	28.55	23.09	10.20
33500	18.24	58.21	9.86	10.88	40.91	1.01	28.50	23.06	10.20
34000	18.44	59.97	9.79	11.37	49.37	1.03	28.39	22.63	10.20
34500	18.75	61.95	10.36	12.29	61.80	1.03	28.84	22.83	10.00
35000	19.06	67.81	11.30	13.80	121.54	1.03	28.52	22.71	9.80
35500	19.44	49.85	12.70	16.68	15.38	1.03	28.91	22.80	9.70
36000	19.71	57.02	14.31	22.68	35.15	1.03	28.88	22.92	9.40
36500	19.96	62.40	14.13	36.44	63.62	1.04	28.90	22.79	9.40
37000	20.08	60.96	12.82	25.34	52.28	1.05	28.54	22.79	9.50
37500	20.07	70.40	11.45	19.20	150.62	1.06	28.47	22.91	9.80
38000	20.02	59.84	10.36	16.11	43.36	1.07	28.26	22.83	10.10
38500	19.97	59.62	10.04	14.60	41.72	1.06	28.28	22.48	10.40
39000	19.95	56.86	10.18	13.32	30.14	1.05	28.22	22.28	10.70
39500	20.18	54.80	10.99	12.23	23.27	1.02	29.01	22.21	10.70
40000	20.41	53.26	11.94	11.31	18.99	0.99	29.09	22.01	10.70
41000	20.54	62.42	13.10	10.46	53.80	0.95	27.17	21.64	10.60
42000	20.88	59.85	13.04	10.48	38.50	0.95	26.06	21.19	10.80
43000	21.59	49.85	13.49	12.79	11.74	0.99	24.87	20.84	11.00
44000	22.71	50.52	16.28	15.82	11.69	1.00	24.36	20.22	11.60
45000	23.43	60.44	16.37	27.08	34.56	1.02	24.11	19.32	12.80
46000	21.55	52.29	13.73	12.97	15.71	0.99	24.33	18.61	13.80
47000	13.79	59.41	12.72	12.11	84.85	0.99	22.83	17.53	15.00

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 = 5.25V, Id = 480mA @ 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)			(dBm)	(dBm)	(dB)
18000	11.54	69.41	10.82	14.60	346.30	1.05	25.83	18.36	14.70
20000	19.92	61.36	11.94	21.98	54.93	1.06	28.12	20.77	11.20
21000	21.42	63.01	12.66	18.44	55.92	1.04	29.16	21.68	10.40
22000	22.20	64.71	14.52	15.98	62.78	1.01	29.01	22.59	9.90
23000	22.51	65.19	16.39	13.98	63.85	0.98	27.47	21.53	9.60
24000	22.55	73.04	17.17	12.33	154.46	0.96	28.28	22.27	9.50
25000	22.14	71.22	16.41	11.86	130.00	0.96	28.42	23.03	9.40
26000	21.48	61.30	15.10	12.48	44.78	0.97	28.24	23.22	9.50
27000	20.56	72.20	13.58	13.59	174.66	1.00	28.47	23.23	9.50
28000	19.57	56.89	12.38	13.60	33.18	1.01	28.15	23.26	9.40
29000	18.84	53.45	12.78	14.03	24.52	1.01	26.93	23.32	9.30
30000	18.44	56.52	14.60	15.84	37.66	1.01	26.33	23.55	9.30
30500	18.31	61.16	16.11	16.32	66.10	1.00	26.99	23.68	9.40
31000	18.25	57.00	16.63	15.59	41.19	0.99	27.00	23.62	9.60
31500	18.12	57.90	15.83	14.12	45.67	0.99	26.38	23.56	9.80
32000	18.04	54.36	14.11	12.73	29.78	0.98	26.83	23.37	10.00
32500	17.98	55.62	12.08	11.53	33.22	0.99	26.98	23.43	10.20
33000	18.00	57.94	10.72	10.94	41.76	1.00	26.69	23.29	10.40
33500	18.05	62.71	10.06	10.95	70.79	1.01	26.85	23.25	10.30
34000	18.25	62.90	9.89	11.43	71.14	1.02	27.25	22.83	10.30
34500	18.53	85.56	10.44	12.28	961.77	1.03	27.90	23.02	10.20
35000	18.83	58.28	11.43	13.83	41.80	1.03	27.58	22.91	9.90
35500	19.19	59.82	12.91	16.64	49.90	1.03	28.15	23.02	9.70
36000	19.49	53.96	14.70	22.38	25.42	1.03	28.07	23.16	9.50
36500	19.75	70.69	14.54	33.94	169.84	1.03	28.18	23.01	9.50
37000	19.88	62.82	13.31	26.34	66.77	1.04	27.76	23.02	9.60
37500	19.88	58.18	11.90	19.64	38.02	1.05	27.81	23.15	9.90
38000	19.84	72.97	10.83	16.30	203.09	1.06	27.62	23.08	10.20
38500	19.80	52.71	10.51	14.49	19.42	1.05	27.70	22.73	10.50
39000	19.86	61.16	10.78	13.07	50.56	1.03	27.67	22.50	10.80
39500	20.18	56.11	11.75	11.98	27.31	1.00	28.08	22.44	10.90
40000	20.48	58.87	12.71	11.21	36.32	0.97	28.74	22.25	10.80
41000	20.88	64.60	14.31	10.69	67.65	0.95	26.96	21.89	10.70
42000	21.47	80.26	13.83	10.70	381.52	0.95	25.67	21.45	10.90
43000	21.93	70.82	12.91	12.18	123.92	0.99	24.66	21.09	11.20
44000	22.66	52.83	13.84	15.63	15.03	1.01	24.13	20.53	11.70
45000	23.27	58.02	14.39	26.82	26.28	1.03	24.34	19.67	12.90
46000	21.48	57.38	12.74	13.18	28.16	1.00	24.75	18.90	14.00
47000	13.51	52.47	10.94	12.09	38.35	1.01	24.15	17.81	15.20