

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 = 88.67mA @ 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)
50.0	26.82	30.76	6.94	13.93	0.90	0.77	37.23	19.36	0.50
100.0	25.98	29.84	8.94	19.87	0.99	0.71	37.63	19.77	0.45
200.0	24.77	28.90	10.32	24.88	1.04	0.70	37.77	20.68	0.41
400.0	22.16	26.72	12.06	24.77	1.09	0.71	39.45	21.41	0.50
500.0	20.94	25.63	12.66	23.77	1.10	0.71	39.77	21.50	0.57
600.0	19.83	24.59	13.06	23.26	1.11	0.71	41.30	21.76	0.59
700.0	18.82	23.63	13.32	23.01	1.11	0.71	40.99	21.74	0.62
800.0	17.89	22.80	13.51	22.57	1.11	0.72	41.82	21.82	0.63
900.0	17.04	21.98	13.62	22.37	1.12	0.72	43.04	22.11	0.67
1000.0	16.27	21.21	13.67	22.31	1.11	0.73	41.72	21.91	0.75
1100.0	15.56	20.51	13.75	22.19	1.11	0.73	42.23	21.97	0.72
1200.0	14.91	19.85	13.70	22.21	1.11	0.73	43.08	22.16	0.81
1300.0	14.30	19.26	13.68	22.18	1.11	0.73	43.63	22.15	0.82
1400.0	13.74	18.69	13.66	22.06	1.11	0.73	43.43	22.22	0.83
1500.0	13.21	18.18	13.64	22.00	1.11	0.73	43.32	22.19	0.87
1600.0	12.72	17.65	13.64	21.85	1.11	0.73	44.26	22.37	0.92
1700.0	12.25	17.21	13.63	21.63	1.11	0.73	43.39	22.47	0.94
1800.0	11.83	16.79	13.61	21.37	1.11	0.73	46.06	22.47	0.98
1900.0	11.42	16.37	13.69	21.10	1.11	0.73	44.49	22.44	0.93
2000.0	11.04	15.96	13.72	20.82	1.10	0.73	44.23	22.48	0.97
2100.0	10.67	15.59	13.75	20.36	1.10	0.73	47.74	22.38	1.00
2200.0	10.33	15.23	13.83	20.06	1.10	0.73	45.10	22.30	1.00
2300.0	9.99	14.92	13.98	19.74	1.10	0.73	45.05	22.35	0.93
2400.0	9.68	14.57	13.93	19.40	1.10	0.73	47.36	22.57	1.00
2500.0	9.40	14.27	14.02	19.05	1.10	0.72	45.43	22.52	1.09
2600.0	9.11	13.97	14.18	18.66	1.09	0.72	45.53	22.65	1.16
2700.0	8.83	13.71	14.28	18.39	1.10	0.72	45.75	22.47	1.24
2800.0	8.58	13.42	14.40	17.93	1.09	0.72	44.81	22.68	1.27
2900.0	8.34	13.17	14.58	17.65	1.09	0.71	47.26	22.77	1.32
3000.0	8.11	12.89	14.64	17.44	1.09	0.71	44.55	22.63	1.07
3200.0	7.69	12.42	14.93	16.79	1.08	0.70	46.89	22.58	1.21
3300.0	7.49	12.17	14.92	16.68	1.08	0.70	48.88	22.96	1.22
3400.0	7.29	11.95	15.05	16.57	1.08	0.69	45.18	22.74	1.25
3500.0	7.11	11.75	15.18	16.22	1.08	0.69	47.33	22.79	1.24
3600.0	6.93	11.56	15.24	16.14	1.08	0.69	45.90	22.85	1.22
3700.0	6.72	11.41	15.49	16.01	1.08	0.69	45.68	22.98	1.33
3800.0	6.57	11.15	15.48	15.98	1.07	0.68	47.02	22.91	1.33
4000.0	6.27	10.79	15.52	15.80	1.07	0.68	48.70	22.93	1.33

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 = 84.90mA @ 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)			(dBm)	(dBm)	(dB)
50.0	26.78	29.80	7.02	14.04	0.88	0.68	36.68	18.95	0.52
100.0	25.94	29.81	8.90	19.78	0.99	0.72	37.85	19.35	0.45
200.0	24.74	28.91	10.26	24.93	1.04	0.71	37.59	20.37	0.45
400.0	22.14	26.72	12.01	25.22	1.09	0.71	38.95	21.19	0.49
500.0	20.91	25.61	12.66	24.27	1.10	0.71	39.11	21.29	0.48
600.0	19.81	24.56	13.00	23.72	1.10	0.71	40.04	21.54	0.59
700.0	18.80	23.57	13.27	23.42	1.11	0.71	40.59	21.55	0.66
800.0	17.87	22.74	13.44	23.07	1.11	0.72	41.76	21.62	0.61
900.0	17.03	21.93	13.51	22.83	1.11	0.72	42.59	21.88	0.67
1000.0	16.25	21.17	13.62	22.73	1.11	0.72	41.50	21.72	0.73
1100.0	15.55	20.47	13.68	22.71	1.11	0.73	42.03	21.79	0.74
1200.0	14.89	19.82	13.68	22.60	1.11	0.73	42.97	21.96	0.75
1300.0	14.28	19.21	13.64	22.61	1.11	0.73	43.35	21.96	0.81
1400.0	13.72	18.66	13.60	22.50	1.11	0.73	43.32	22.03	0.84
1500.0	13.20	18.13	13.60	22.43	1.11	0.73	43.01	22.02	0.89
1600.0	12.70	17.65	13.61	22.28	1.11	0.73	42.48	22.19	0.90
1700.0	12.23	17.18	13.58	22.05	1.11	0.73	43.15	22.29	0.87
1800.0	11.81	16.73	13.58	21.78	1.11	0.73	43.52	22.27	0.94
1900.0	11.40	16.31	13.64	21.47	1.10	0.73	43.27	22.22	0.91
2000.0	11.02	15.91	13.67	21.22	1.10	0.73	44.48	22.30	0.95
2100.0	10.65	15.55	13.73	20.74	1.10	0.73	45.48	22.16	0.99
2200.0	10.31	15.19	13.80	20.40	1.10	0.73	45.48	22.19	0.98
2300.0	9.98	14.87	13.93	20.04	1.10	0.73	44.72	22.21	0.94
2400.0	9.67	14.54	13.90	19.71	1.10	0.73	46.70	22.44	0.99
2500.0	9.38	14.22	14.02	19.34	1.09	0.72	47.58	22.35	1.08
2600.0	9.10	13.94	14.16	18.92	1.09	0.72	46.35	22.48	1.11
2700.0	8.83	13.64	14.20	18.56	1.09	0.72	44.02	22.32	1.24
2800.0	8.57	13.37	14.35	18.19	1.09	0.71	46.20	22.57	1.21
2900.0	8.34	13.10	14.49	17.95	1.09	0.71	46.81	22.58	1.29
3000.0	8.11	12.84	14.53	17.69	1.09	0.71	43.74	22.45	1.03
3200.0	7.67	12.40	14.96	17.09	1.09	0.70	45.62	22.53	1.12
3300.0	7.48	12.14	14.90	16.91	1.08	0.70	47.34	22.73	1.18
3400.0	7.28	11.92	15.03	16.74	1.08	0.69	45.15	22.64	1.14
3500.0	7.09	11.70	15.13	16.43	1.08	0.69	45.50	22.65	1.20
3600.0	6.92	11.51	15.20	16.37	1.07	0.69	44.70	22.78	1.32
3700.0	6.68	11.38	15.48	16.47	1.08	0.69	45.28	22.88	1.36
3800.0	6.56	11.09	15.45	16.21	1.07	0.68	46.08	22.72	1.28
4000.0	6.26	10.77	15.52	16.03	1.07	0.68	43.74	22.72	1.33

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 = 92.31mA @ 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)			(dBm)	(dBm)	(dB)
50.0	26.84	30.88	6.93	14.02	0.89	0.80	37.17	19.71	0.53
100.0	26.01	29.80	8.98	19.92	0.99	0.71	38.04	20.13	0.46
200.0	24.80	28.89	10.37	24.90	1.04	0.70	38.20	20.95	0.46
400.0	22.18	26.80	12.11	24.50	1.09	0.71	39.58	21.59	0.52
500.0	20.96	25.67	12.72	23.54	1.10	0.71	39.91	21.66	0.53
600.0	19.85	24.67	13.10	22.97	1.11	0.72	41.02	21.93	0.59
700.0	18.84	23.70	13.37	22.66	1.11	0.72	41.29	21.91	0.63
800.0	17.91	22.79	13.54	22.24	1.11	0.72	41.54	21.98	0.66
900.0	17.06	22.01	13.66	22.09	1.12	0.72	42.69	22.28	0.65
1000.0	16.29	21.20	13.71	22.00	1.11	0.72	42.34	22.05	0.74
1100.0	15.58	20.54	13.79	21.88	1.12	0.73	42.69	22.11	0.71
1200.0	14.92	19.89	13.75	21.88	1.11	0.73	43.99	22.30	0.76
1300.0	14.32	19.31	13.72	21.86	1.11	0.73	43.48	22.30	0.84
1400.0	13.75	18.73	13.69	21.74	1.11	0.73	44.03	22.36	0.85
1500.0	13.22	18.21	13.68	21.68	1.11	0.73	44.02	22.31	0.90
1600.0	12.73	17.72	13.69	21.55	1.11	0.73	43.67	22.50	0.89
1700.0	12.27	17.23	13.67	21.30	1.11	0.73	44.15	22.60	0.89
1800.0	11.84	16.80	13.63	21.10	1.11	0.73	45.10	22.60	0.97
1900.0	11.43	16.38	13.72	20.84	1.11	0.73	44.97	22.59	0.94
2000.0	11.05	15.99	13.74	20.54	1.10	0.73	44.16	22.61	0.94
2100.0	10.68	15.63	13.79	20.12	1.10	0.73	46.28	22.51	1.04
2200.0	10.34	15.23	13.87	19.82	1.10	0.73	44.35	22.48	0.94
2300.0	10.00	14.92	14.01	19.51	1.10	0.73	45.68	22.47	0.93
2400.0	9.70	14.60	13.96	19.18	1.10	0.73	46.90	22.69	1.01
2500.0	9.41	14.30	14.07	18.82	1.10	0.72	46.09	22.66	1.08
2600.0	9.12	13.99	14.21	18.46	1.09	0.72	47.79	22.76	1.12
2700.0	8.84	13.73	14.32	18.21	1.10	0.72	45.68	22.50	1.26
2800.0	8.59	13.45	14.42	17.74	1.09	0.72	45.67	22.72	1.31
2900.0	8.35	13.20	14.63	17.46	1.09	0.71	46.70	22.92	1.32
3000.0	8.12	12.93	14.67	17.26	1.09	0.71	44.99	22.75	1.09
3200.0	7.70	12.46	14.96	16.64	1.08	0.70	46.62	22.67	1.31
3300.0	7.50	12.22	14.94	16.53	1.08	0.70	49.11	23.09	1.23
3400.0	7.30	11.99	15.06	16.42	1.08	0.70	45.27	22.82	1.31
3500.0	7.12	11.78	15.18	16.04	1.08	0.69	46.97	22.90	1.17
3600.0	6.94	11.58	15.27	15.98	1.08	0.69	44.74	22.95	1.34
3700.0	6.73	11.44	15.51	15.87	1.08	0.69	46.12	23.10	1.35
3800.0	6.58	11.19	15.49	15.81	1.07	0.68	48.10	23.10	1.33
4000.0	6.28	10.83	15.54	15.63	1.07	0.68	45.86	22.92	1.32

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 = 100.15mA @ 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)			(dBm)	(dBm)	(dB)
50.0	27.07	29.65	7.61	14.48	0.86	0.65	38.95	19.72	0.40
100.0	26.09	29.66	10.12	21.61	0.99	0.68	41.00	20.14	0.33
200.0	24.87	28.74	11.82	37.86	1.05	0.66	40.84	21.57	0.32
400.0	22.30	26.60	13.46	28.08	1.09	0.66	41.60	22.73	0.38
500.0	21.10	25.54	14.12	26.15	1.11	0.67	42.47	22.82	0.42
600.0	20.03	24.48	14.40	25.21	1.11	0.67	43.87	22.97	0.45
700.0	19.04	23.53	14.49	24.35	1.11	0.67	43.61	22.98	0.46
800.0	18.13	22.67	14.63	23.71	1.11	0.68	44.25	23.06	0.46
900.0	17.30	21.86	14.61	23.85	1.11	0.68	43.33	23.17	0.45
1000.0	16.54	21.10	14.53	23.97	1.11	0.68	46.03	23.19	0.55
1100.0	15.85	20.40	14.61	23.89	1.10	0.68	44.09	23.26	0.53
1200.0	15.20	19.74	14.56	23.99	1.10	0.69	44.74	23.36	0.58
1300.0	14.59	19.15	14.33	24.07	1.10	0.69	44.34	23.33	0.58
1400.0	14.05	18.56	14.29	24.11	1.10	0.69	44.83	23.41	0.62
1500.0	13.53	18.05	14.30	24.30	1.10	0.69	45.24	23.48	0.63
1600.0	13.04	17.54	14.17	24.28	1.09	0.69	44.27	23.60	0.66
1700.0	12.58	17.08	14.09	23.99	1.09	0.69	46.71	23.70	0.63
1800.0	12.16	16.60	14.12	23.85	1.09	0.69	44.27	23.63	0.67
1900.0	11.76	16.22	14.16	23.65	1.09	0.69	43.92	23.56	0.65
2000.0	11.38	15.81	14.11	23.09	1.09	0.69	44.05	23.74	0.65
2100.0	11.02	15.45	14.22	22.46	1.08	0.69	43.76	23.51	0.71
2200.0	10.68	15.07	14.33	22.16	1.08	0.68	45.94	23.91	0.66
2300.0	10.36	14.74	14.32	21.75	1.08	0.68	46.62	23.88	0.63
2400.0	10.06	14.40	14.46	21.19	1.08	0.68	45.85	23.98	0.69
2500.0	9.77	14.09	14.62	20.78	1.08	0.67	45.42	23.84	0.74
2600.0	9.48	13.80	14.60	20.25	1.07	0.67	45.20	23.95	0.82
2700.0	9.22	13.50	14.88	19.65	1.07	0.67	44.73	24.00	0.89
2800.0	8.98	13.22	15.10	19.29	1.07	0.66	47.38	24.17	0.94
2900.0	8.74	12.93	14.97	18.92	1.06	0.66	45.70	23.99	1.00
3000.0	8.52	12.68	15.28	18.27	1.06	0.65	47.55	24.07	0.72
3200.0	8.08	12.21	15.41	18.00	1.06	0.65	47.23	24.27	0.83
3300.0	7.89	11.97	15.48	17.67	1.06	0.64	44.93	23.99	0.79
3400.0	7.69	11.75	16.04	17.32	1.06	0.64	45.99	24.24	0.77
3500.0	7.51	11.53	15.71	17.14	1.05	0.64	45.97	24.23	0.86
3600.0	7.35	11.31	15.64	17.07	1.05	0.63	46.85	24.46	0.81
3700.0	7.15	11.12	15.95	17.18	1.05	0.63	45.95	24.38	0.86
3800.0	6.99	10.93	15.77	17.16	1.05	0.63	47.21	24.14	0.87
4000.0	6.69	10.56	16.04	16.92	1.05	0.62	48.99	24.34	0.80

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 = 4.75V, Id = 94.90mA @ 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)			(dBm)	(dBm)	(dB)
50.0	27.02	29.93	7.51	14.47	0.86	0.70	39.48	19.27	0.39
100.0	26.05	29.64	10.03	21.57	0.99	0.68	40.60	19.68	0.33
200.0	24.83	28.78	11.70	37.45	1.05	0.67	40.34	21.24	0.30
400.0	22.27	26.61	13.36	28.51	1.10	0.67	41.67	22.44	0.36
500.0	21.08	25.50	13.99	26.22	1.10	0.67	41.64	22.54	0.57
600.0	20.00	24.44	14.29	25.42	1.10	0.67	44.01	22.64	0.45
700.0	19.01	23.50	14.39	24.53	1.11	0.67	43.33	22.67	0.47
800.0	18.10	22.60	14.57	23.89	1.11	0.67	43.12	22.74	0.43
900.0	17.27	21.84	14.49	24.12	1.11	0.68	42.34	22.83	0.45
1000.0	16.51	21.06	14.44	24.13	1.10	0.68	44.44	22.88	0.56
1100.0	15.82	20.39	14.52	24.01	1.10	0.69	43.67	22.95	0.51
1200.0	15.17	19.74	14.51	24.07	1.10	0.69	43.33	23.04	0.56
1300.0	14.57	19.12	14.26	24.30	1.10	0.69	44.69	23.00	0.58
1400.0	14.02	18.55	14.21	24.28	1.10	0.69	43.41	23.08	0.58
1500.0	13.50	18.02	14.23	24.46	1.10	0.69	44.37	23.18	0.64
1600.0	13.01	17.54	14.12	24.48	1.10	0.69	43.31	23.28	0.69
1700.0	12.55	17.07	14.02	24.14	1.09	0.69	43.97	23.38	0.60
1800.0	12.13	16.62	14.04	23.98	1.09	0.69	43.59	23.30	0.69
1900.0	11.73	16.19	14.12	23.76	1.09	0.69	44.42	23.25	0.64
2000.0	11.35	15.80	14.02	23.22	1.09	0.69	43.84	23.44	0.67
2100.0	10.99	15.43	14.17	22.54	1.08	0.69	42.66	23.15	0.66
2200.0	10.66	15.04	14.26	22.26	1.08	0.68	43.92	23.61	0.71
2300.0	10.33	14.74	14.28	21.85	1.08	0.68	44.14	23.56	0.65
2400.0	10.03	14.40	14.40	21.29	1.08	0.68	43.73	23.63	0.68
2500.0	9.74	14.09	14.57	20.87	1.08	0.68	44.96	23.50	0.72
2600.0	9.46	13.80	14.55	20.30	1.08	0.68	44.15	23.64	0.80
2700.0	9.20	13.50	14.79	19.72	1.07	0.67	44.41	23.74	0.92
2800.0	8.95	13.21	15.03	19.35	1.07	0.67	46.41	23.88	0.89
2900.0	8.71	12.94	14.93	18.93	1.07	0.66	43.71	23.65	0.95
3000.0	8.49	12.68	15.19	18.32	1.06	0.66	46.52	23.76	0.72
3200.0	8.05	12.22	15.35	18.07	1.06	0.65	44.95	23.94	0.84
3300.0	7.87	11.97	15.41	17.67	1.06	0.65	43.61	23.64	0.78
3400.0	7.67	11.74	15.94	17.42	1.06	0.64	45.15	23.91	0.72
3500.0	7.49	11.53	15.66	17.19	1.05	0.64	45.77	23.94	0.81
3600.0	7.33	11.31	15.60	17.10	1.05	0.63	44.30	24.18	0.88
3700.0	7.12	11.12	15.87	17.27	1.05	0.63	46.11	24.10	0.83
3800.0	6.97	10.91	15.72	17.22	1.05	0.63	45.42	23.86	0.86
4000.0	6.66	10.55	16.00	16.99	1.05	0.62	45.60	24.04	0.78

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 = 105.35mA @ 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)			(dBm)	(dBm)	(dB)
50.0	27.12	29.74	7.54	14.60	0.85	0.67	38.67	20.21	0.43
100.0	26.15	29.67	10.10	21.83	0.99	0.67	39.96	20.61	0.36
200.0	24.92	28.86	11.79	39.59	1.05	0.67	40.92	22.00	0.34
400.0	22.33	26.62	13.46	27.72	1.09	0.66	42.45	23.10	0.38
500.0	21.14	25.55	14.01	25.76	1.10	0.67	42.81	23.20	0.53
600.0	20.05	24.51	14.35	24.83	1.11	0.67	44.76	23.35	0.45
700.0	19.05	23.59	14.46	24.08	1.11	0.68	43.72	23.36	0.49
800.0	18.14	22.69	14.64	23.43	1.11	0.68	44.16	23.43	0.44
900.0	17.31	21.87	14.56	23.60	1.11	0.68	43.39	23.55	0.50
1000.0	16.54	21.08	14.50	23.65	1.10	0.68	44.58	23.57	0.56
1100.0	15.85	20.41	14.58	23.57	1.10	0.69	45.87	23.64	0.52
1200.0	15.19	19.76	14.57	23.55	1.10	0.69	46.62	23.74	0.56
1300.0	14.59	19.15	14.32	23.81	1.10	0.69	46.55	23.70	0.63
1400.0	14.04	18.58	14.26	23.75	1.10	0.69	45.66	23.79	0.63
1500.0	13.52	18.04	14.28	23.90	1.10	0.69	45.19	23.85	0.68
1600.0	13.03	17.55	14.17	23.85	1.09	0.69	44.82	23.98	0.66
1700.0	12.57	17.09	14.08	23.61	1.09	0.69	45.84	24.07	0.68
1800.0	12.15	16.64	14.09	23.49	1.09	0.69	46.99	24.00	0.76
1900.0	11.75	16.23	14.16	23.25	1.09	0.69	48.33	23.93	0.72
2000.0	11.37	15.83	14.10	22.70	1.09	0.69	45.75	24.13	0.70
2100.0	11.01	15.45	14.23	22.09	1.08	0.69	44.65	23.84	0.72
2200.0	10.67	15.08	14.31	21.80	1.08	0.68	49.23	24.15	0.72
2300.0	10.35	14.76	14.33	21.44	1.08	0.69	49.08	24.18	0.69
2400.0	10.04	14.43	14.47	20.93	1.08	0.68	45.09	24.27	0.78
2500.0	9.75	14.11	14.62	20.53	1.08	0.68	46.93	24.15	0.78
2600.0	9.47	13.81	14.61	19.98	1.07	0.68	46.31	24.27	0.84
2700.0	9.21	13.53	14.84	19.40	1.07	0.67	45.86	24.27	0.92
2800.0	8.96	13.23	15.09	19.10	1.07	0.67	48.67	24.44	0.92
2900.0	8.72	12.98	14.99	18.68	1.07	0.67	47.07	24.30	0.93
3000.0	8.50	12.70	15.25	18.07	1.06	0.66	49.68	24.33	0.79
3200.0	8.06	12.25	15.40	17.83	1.06	0.65	48.43	24.49	0.93
3300.0	7.88	12.00	15.46	17.44	1.06	0.65	45.79	24.29	0.88
3400.0	7.67	11.81	16.15	17.17	1.06	0.64	47.69	24.49	0.85
3500.0	7.50	11.57	15.73	16.92	1.05	0.64	47.28	24.49	0.87
3600.0	7.33	11.34	15.63	16.90	1.05	0.63	48.13	24.68	0.89
3700.0	7.13	11.15	15.94	17.03	1.05	0.63	47.15	24.63	0.97
3800.0	6.98	10.94	15.73	16.94	1.05	0.63	46.59	24.39	0.93
4000.0	6.66	10.59	16.09	16.77	1.05	0.62	50.66	24.61	0.87

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 = 77.70mA @ 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)
50.0	26.35	29.79	6.24	12.60	0.87	0.71	35.39	18.06	0.64
100.0	25.64	29.67	7.77	16.11	0.98	0.73	35.60	18.57	0.58
200.0	24.49	28.78	8.97	18.56	1.02	0.73	35.66	19.01	0.54
400.0	21.92	26.59	10.80	19.79	1.06	0.74	37.00	19.48	0.66
500.0	20.69	25.54	11.39	19.99	1.08	0.74	37.12	19.59	0.69
600.0	19.59	24.57	11.83	20.07	1.09	0.75	38.08	19.90	0.74
700.0	18.58	23.68	12.27	20.25	1.11	0.75	38.33	19.86	0.77
800.0	17.64	22.81	12.55	20.15	1.11	0.76	38.96	19.94	0.77
900.0	16.78	22.01	12.70	19.77	1.11	0.76	39.63	20.26	0.85
1000.0	16.02	21.27	12.91	19.60	1.12	0.76	38.68	19.97	0.91
1100.0	15.31	20.60	12.99	19.81	1.12	0.76	39.51	20.03	0.90
1200.0	14.65	19.97	12.99	19.84	1.12	0.76	40.02	20.25	0.95
1300.0	14.04	19.34	13.16	19.58	1.12	0.76	40.49	20.26	0.97
1400.0	13.47	18.84	13.17	19.42	1.12	0.77	40.08	20.31	1.04
1500.0	12.94	18.31	13.08	19.46	1.12	0.77	40.43	20.23	1.10
1600.0	12.45	17.81	13.20	19.41	1.12	0.77	40.43	20.41	1.13
1700.0	11.98	17.34	13.26	19.27	1.12	0.77	40.79	20.55	1.12
1800.0	11.55	16.91	13.22	19.00	1.12	0.77	41.42	20.61	1.21
1900.0	11.14	16.49	13.37	18.63	1.12	0.76	42.22	20.63	1.14
2000.0	10.76	16.08	13.48	18.55	1.12	0.76	41.57	20.56	1.20
2100.0	10.39	15.76	13.39	18.45	1.12	0.77	42.81	20.64	1.25
2200.0	10.04	15.38	13.48	18.16	1.12	0.76	41.39	20.48	1.23
2300.0	9.70	15.07	13.75	17.84	1.12	0.76	41.89	20.48	1.21
2400.0	9.39	14.75	13.53	17.79	1.12	0.76	41.82	20.76	1.30
2500.0	9.10	14.42	13.49	17.62	1.11	0.76	42.42	20.74	1.37
2600.0	8.81	14.14	13.81	17.38	1.11	0.76	43.16	20.84	1.47
2700.0	8.53	13.87	13.88	17.23	1.11	0.76	42.86	20.50	1.61
2800.0	8.27	13.61	13.80	16.87	1.11	0.76	42.07	20.81	1.57
2900.0	8.04	13.35	14.05	16.70	1.11	0.75	43.25	21.08	1.68
3000.0	7.80	13.08	14.04	16.78	1.11	0.75	42.56	20.84	1.40
3200.0	7.37	12.63	14.34	16.10	1.11	0.74	41.81	20.72	1.57
3300.0	7.17	12.39	14.41	16.02	1.10	0.74	43.42	21.38	1.58
3400.0	6.97	12.15	14.31	16.11	1.10	0.74	41.81	20.98	1.54
3500.0	6.79	11.94	14.43	15.82	1.10	0.73	42.00	20.97	1.58
3600.0	6.59	11.78	14.75	15.68	1.10	0.73	42.20	21.05	1.59
3700.0	6.38	11.65	14.86	15.50	1.11	0.74	42.73	21.20	1.68
3800.0	6.24	11.38	14.88	15.29	1.10	0.73	43.24	21.31	1.61
4000.0	5.93	11.01	14.91	15.33	1.09	0.72	42.41	21.18	1.67

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 = 4.75V, Id = 75.14mA @ 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)			(dBm)	(dBm)	(dB)
50.0	26.32	29.81	6.28	12.58	0.88	0.71	35.01	17.77	0.64
100.0	25.61	29.68	7.74	16.13	0.97	0.73	35.31	18.27	0.55
200.0	24.46	28.94	8.92	18.63	1.02	0.75	35.55	18.78	0.54
400.0	21.90	26.52	10.76	20.06	1.06	0.73	36.81	19.29	0.62
500.0	20.67	25.53	11.34	20.28	1.08	0.74	37.18	19.42	0.64
600.0	19.57	24.55	11.79	20.44	1.09	0.75	38.00	19.73	0.73
700.0	18.56	23.56	12.21	20.64	1.10	0.75	38.08	19.71	0.76
800.0	17.61	22.73	12.49	20.58	1.11	0.75	38.80	19.78	0.77
900.0	16.77	21.93	12.64	20.18	1.11	0.76	39.74	20.10	0.82
1000.0	16.00	21.24	12.86	20.08	1.12	0.76	38.40	19.84	0.89
1100.0	15.29	20.50	12.95	20.23	1.12	0.76	39.18	19.90	0.90
1200.0	14.63	19.88	12.94	20.26	1.12	0.76	39.98	20.10	0.95
1300.0	14.02	19.30	13.12	20.00	1.12	0.76	40.09	20.14	1.00
1400.0	13.45	18.74	13.12	19.88	1.12	0.76	40.29	20.20	1.07
1500.0	12.92	18.25	13.04	19.90	1.12	0.77	40.16	20.10	1.09
1600.0	12.43	17.76	13.13	19.83	1.12	0.77	40.64	20.33	1.14
1700.0	11.97	17.31	13.22	19.73	1.12	0.77	40.44	20.44	1.15
1800.0	11.53	16.84	13.17	19.41	1.12	0.76	41.29	20.47	1.21
1900.0	11.13	16.46	13.33	19.04	1.12	0.76	41.45	20.51	1.13
2000.0	10.75	16.06	13.44	18.94	1.12	0.76	41.28	20.48	1.16
2100.0	10.37	15.71	13.36	18.85	1.12	0.76	42.53	20.58	1.28
2200.0	10.03	15.31	13.43	18.50	1.11	0.76	41.16	20.36	1.26
2300.0	9.69	15.02	13.72	18.20	1.12	0.76	41.91	20.43	1.19
2400.0	9.38	14.66	13.49	18.13	1.11	0.76	42.08	20.71	1.35
2500.0	9.09	14.37	13.47	17.96	1.11	0.76	42.13	20.60	1.36
2600.0	8.80	14.08	13.77	17.69	1.11	0.76	42.56	20.67	1.43
2700.0	8.52	13.81	13.83	17.54	1.11	0.76	41.66	20.53	1.58
2800.0	8.26	13.53	13.79	17.19	1.11	0.75	41.45	20.75	1.60
2900.0	8.02	13.29	14.01	16.99	1.11	0.75	43.79	20.97	1.64
3000.0	7.78	13.04	14.02	17.09	1.11	0.75	41.87	20.80	1.39
3200.0	7.36	12.57	14.35	16.38	1.11	0.74	42.00	20.70	1.62
3300.0	7.15	12.34	14.38	16.27	1.10	0.74	42.77	21.33	1.56
3400.0	6.95	12.09	14.30	16.38	1.10	0.74	41.43	20.86	1.65
3500.0	6.77	11.88	14.42	16.10	1.10	0.73	42.08	20.88	1.61
3600.0	6.57	11.72	14.75	15.93	1.10	0.73	41.39	21.03	1.62
3700.0	6.36	11.57	14.85	15.75	1.11	0.73	41.87	21.19	1.70
3800.0	6.22	11.32	14.89	15.55	1.10	0.72	42.15	21.19	1.73
4000.0	5.91	10.97	14.93	15.57	1.09	0.72	42.11	21.04	1.64

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 = 80.20mA @ 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)			(dBm)	(dBm)	(dB)
50.0	26.38	30.44	6.24	12.58	0.89	0.78	35.40	18.32	0.62
100.0	25.67	29.76	7.82	16.10	0.98	0.73	35.71	18.85	0.58
200.0	24.51	28.86	9.02	18.45	1.02	0.73	35.86	19.23	0.56
400.0	21.94	26.67	10.84	19.64	1.07	0.74	37.41	19.64	0.63
500.0	20.71	25.66	11.45	19.79	1.09	0.75	37.74	19.74	0.67
600.0	19.60	24.66	11.88	19.84	1.10	0.75	38.35	20.04	0.74
700.0	18.60	23.75	12.32	20.01	1.11	0.76	38.48	20.02	0.78
800.0	17.65	22.83	12.59	19.88	1.11	0.76	38.95	20.08	0.79
900.0	16.80	22.05	12.74	19.51	1.12	0.76	39.90	20.39	0.81
1000.0	16.03	21.31	12.95	19.33	1.12	0.76	38.76	20.10	0.96
1100.0	15.32	20.61	13.03	19.53	1.12	0.76	39.37	20.15	0.94
1200.0	14.66	20.01	13.01	19.54	1.12	0.77	40.34	20.33	0.98
1300.0	14.05	19.43	13.20	19.29	1.12	0.77	40.53	20.37	0.98
1400.0	13.49	18.87	13.21	19.15	1.12	0.77	40.46	20.40	1.07
1500.0	12.95	18.35	13.11	19.19	1.12	0.77	40.69	20.32	1.10
1600.0	12.47	17.84	13.23	19.13	1.12	0.77	40.81	20.49	1.15
1700.0	12.00	17.39	13.30	19.01	1.12	0.77	40.57	20.63	1.15
1800.0	11.56	16.94	13.24	18.72	1.12	0.77	41.15	20.66	1.24
1900.0	11.16	16.52	13.39	18.38	1.12	0.76	41.47	20.70	1.18
2000.0	10.78	16.16	13.50	18.32	1.12	0.76	41.76	20.66	1.23
2100.0	10.40	15.79	13.43	18.21	1.12	0.77	42.46	20.73	1.25
2200.0	10.06	15.42	13.49	17.93	1.12	0.76	41.46	20.52	1.33
2300.0	9.72	15.12	13.78	17.60	1.12	0.76	42.15	20.52	1.17
2400.0	9.41	14.78	13.55	17.58	1.12	0.76	43.10	20.82	1.30
2500.0	9.12	14.47	13.53	17.39	1.11	0.76	42.46	20.81	1.35
2600.0	8.83	14.18	13.84	17.16	1.12	0.76	43.02	20.95	1.46
2700.0	8.55	13.93	13.89	17.02	1.12	0.76	42.41	20.65	1.63
2800.0	8.29	13.64	13.83	16.70	1.11	0.76	42.43	20.90	1.57
2900.0	8.05	13.40	14.06	16.49	1.11	0.75	43.28	21.18	1.63
3000.0	7.81	13.13	14.07	16.56	1.11	0.75	42.07	20.97	1.45
3200.0	7.38	12.67	14.36	15.94	1.11	0.74	42.19	20.84	1.51
3300.0	7.18	12.42	14.42	15.83	1.10	0.74	44.56	21.47	1.55
3400.0	6.98	12.20	14.32	15.91	1.10	0.74	43.09	21.03	1.59
3500.0	6.80	11.99	14.44	15.64	1.10	0.74	42.40	21.09	1.54
3600.0	6.60	11.81	14.75	15.51	1.10	0.73	42.68	21.10	1.66
3700.0	6.39	11.68	14.85	15.34	1.11	0.74	43.18	21.25	1.64
3800.0	6.25	11.41	14.91	15.11	1.10	0.73	44.05	21.39	1.69
4000.0	5.94	11.06	14.91	15.16	1.10	0.72	42.25	21.23	1.71

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 = 56.45mA @ 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)			(dBm)	(dBm)	(dB)
50.0	26.21	30.04	6.42	13.65	0.88	0.78	32.83	14.82	0.46
100.0	25.41	29.44	8.11	18.53	0.97	0.76	32.85	15.29	0.43
200.0	24.25	28.30	9.36	22.89	1.01	0.73	32.94	16.89	0.42
400.0	21.72	26.07	11.03	27.99	1.05	0.72	34.19	18.23	0.48
500.0	20.52	25.00	11.61	29.27	1.07	0.72	34.30	18.40	0.45
600.0	19.43	23.93	12.00	30.05	1.08	0.71	34.58	18.55	0.53
700.0	18.43	22.99	12.28	30.85	1.08	0.72	34.77	18.61	0.62
800.0	17.51	22.13	12.46	31.20	1.09	0.72	35.15	18.71	0.57
900.0	16.67	21.31	12.58	30.85	1.09	0.72	35.60	18.83	0.60
1000.0	15.90	20.53	12.66	30.99	1.09	0.72	34.79	18.87	0.71
1100.0	15.20	19.87	12.74	31.08	1.10	0.72	35.27	18.94	0.69
1200.0	14.55	19.23	12.75	30.81	1.10	0.72	35.91	19.08	0.74
1300.0	13.94	18.62	12.72	30.90	1.10	0.72	35.70	19.02	0.78
1400.0	13.38	18.05	12.70	30.52	1.09	0.72	35.61	19.10	0.79
1500.0	12.86	17.55	12.72	30.16	1.10	0.72	35.71	19.18	0.83
1600.0	12.37	17.05	12.71	29.75	1.09	0.72	35.88	19.32	0.86
1700.0	11.90	16.59	12.72	29.32	1.09	0.72	36.13	19.46	0.87
1800.0	11.48	16.17	12.73	28.45	1.09	0.72	36.22	19.39	0.89
1900.0	11.07	15.74	12.79	27.71	1.09	0.72	36.43	19.37	0.87
2000.0	10.70	15.34	12.82	27.00	1.09	0.72	36.20	19.51	0.93
2100.0	10.33	14.99	12.89	26.17	1.09	0.72	35.55	19.15	0.91
2200.0	10.00	14.63	12.95	25.51	1.09	0.72	36.65	19.65	0.94
2300.0	9.66	14.30	13.10	24.97	1.09	0.72	36.23	19.60	0.90
2400.0	9.36	13.97	13.10	24.43	1.09	0.71	36.49	19.79	0.94
2500.0	9.08	13.66	13.21	23.75	1.08	0.71	35.95	19.59	1.02
2600.0	8.80	13.38	13.35	23.19	1.08	0.71	36.08	19.77	1.07
2700.0	8.52	13.09	13.46	22.69	1.08	0.71	36.16	19.87	1.19
2800.0	8.28	12.82	13.60	22.01	1.08	0.71	36.19	20.07	1.22
2900.0	8.04	12.58	13.77	21.68	1.08	0.70	35.91	19.77	1.19
3000.0	7.82	12.31	13.80	21.32	1.08	0.70	35.49	19.88	0.95
3200.0	7.39	11.85	14.16	20.55	1.08	0.69	36.12	20.16	1.10
3300.0	7.20	11.60	14.16	20.25	1.07	0.69	35.23	19.85	1.15
3400.0	7.00	11.38	14.29	20.00	1.07	0.69	35.41	20.10	1.05
3500.0	6.82	11.16	14.43	19.59	1.07	0.68	35.20	20.13	1.13
3600.0	6.65	10.98	14.50	19.48	1.07	0.68	36.16	20.51	1.24
3700.0	6.42	10.83	14.72	19.66	1.08	0.68	35.79	20.41	1.18
3800.0	6.29	10.59	14.75	19.29	1.07	0.67	35.00	20.12	1.35
4000.0	5.99	10.24	14.82	19.11	1.07	0.67	35.19	20.38	1.24

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 = 2.70V, Id = 51.08mA @ 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)			(dBm)	(dBm)	(dB)
50.0	26.00	29.60	6.21	13.63	0.86	0.78	31.54	13.83	0.45
100.0	25.22	29.27	7.84	18.05	0.96	0.77	31.57	14.30	0.43
200.0	24.07	28.24	9.06	21.99	1.00	0.75	31.49	15.98	0.40
400.0	21.57	25.86	10.69	26.88	1.04	0.72	32.59	17.39	0.50
500.0	20.37	24.74	11.26	28.63	1.06	0.72	32.71	17.56	0.53
600.0	19.28	23.72	11.65	30.06	1.07	0.72	32.83	17.69	0.55
700.0	18.29	22.78	11.92	31.20	1.08	0.72	32.84	17.77	0.59
800.0	17.36	21.91	12.11	32.09	1.08	0.72	33.20	17.85	0.59
900.0	16.53	21.12	12.23	32.24	1.09	0.72	33.48	17.96	0.61
1000.0	15.76	20.37	12.31	32.59	1.09	0.72	32.94	18.03	0.70
1100.0	15.06	19.67	12.39	32.62	1.09	0.72	33.27	18.09	0.71
1200.0	14.41	19.01	12.38	32.32	1.09	0.72	33.87	18.22	0.75
1300.0	13.80	18.43	12.37	32.17	1.09	0.72	33.42	18.19	0.77
1400.0	13.24	17.86	12.36	31.77	1.09	0.72	33.51	18.25	0.80
1500.0	12.72	17.37	12.37	31.24	1.09	0.72	33.59	18.35	0.82
1600.0	12.23	16.87	12.38	30.78	1.09	0.72	33.70	18.47	0.86
1700.0	11.77	16.44	12.39	30.44	1.09	0.72	33.97	18.61	0.85
1800.0	11.34	15.98	12.38	29.60	1.09	0.72	33.88	18.53	0.88
1900.0	10.94	15.57	12.47	28.82	1.09	0.72	34.15	18.54	0.90
2000.0	10.57	15.18	12.50	28.17	1.09	0.72	34.03	18.70	0.91
2100.0	10.20	14.81	12.56	27.36	1.09	0.72	33.38	18.31	0.92
2200.0	9.86	14.46	12.65	26.65	1.09	0.72	34.44	18.83	0.98
2300.0	9.53	14.14	12.78	26.22	1.09	0.72	33.95	18.84	0.89
2400.0	9.23	13.81	12.77	25.61	1.08	0.71	34.06	18.88	0.95
2500.0	8.95	13.49	12.89	24.96	1.08	0.71	33.72	18.81	1.03
2600.0	8.67	13.20	13.04	24.39	1.08	0.71	33.82	18.95	1.09
2700.0	8.39	12.94	13.14	23.93	1.08	0.71	33.91	19.09	1.18
2800.0	8.15	12.66	13.27	23.28	1.08	0.71	34.00	19.26	1.19
2900.0	7.92	12.40	13.46	22.81	1.08	0.70	33.59	19.00	1.22
3000.0	7.69	12.14	13.51	22.51	1.08	0.70	33.35	19.08	0.96
3200.0	7.28	11.65	13.85	21.58	1.07	0.69	33.73	19.50	1.15
3300.0	7.08	11.43	13.83	21.35	1.07	0.69	33.12	19.02	1.06
3400.0	6.89	11.21	13.98	21.11	1.07	0.68	33.32	19.35	1.25
3500.0	6.70	11.00	14.11	20.66	1.07	0.68	33.12	19.37	1.13
3600.0	6.53	10.81	14.17	20.57	1.07	0.68	33.90	19.82	1.17
3700.0	6.33	10.67	14.43	20.53	1.07	0.68	33.50	19.66	1.24
3800.0	6.18	10.42	14.44	20.40	1.07	0.67	32.88	19.33	1.22
4000.0	5.88	10.08	14.50	20.15	1.06	0.67	32.99	19.59	1.21

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 = 3.30V, Id = 61.85mA @ 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)			(dBm)	(dBm)	(dB)
50.0	26.37	30.75	6.46	13.70	0.90	0.83	33.90	15.77	0.48
100.0	25.56	29.59	8.31	18.89	0.97	0.75	34.11	16.19	0.43
200.0	24.39	28.48	9.59	23.56	1.02	0.72	34.13	17.70	0.41
400.0	21.84	26.21	11.30	27.89	1.06	0.71	35.64	18.97	0.48
500.0	20.63	25.12	11.91	28.39	1.08	0.71	35.67	19.12	0.45
600.0	19.55	24.11	12.28	28.58	1.09	0.71	36.13	19.29	0.57
700.0	18.54	23.13	12.56	28.69	1.09	0.71	36.37	19.36	0.63
800.0	17.62	22.29	12.75	28.64	1.10	0.72	36.78	19.43	0.60
900.0	16.78	21.49	12.86	28.53	1.10	0.72	37.71	19.57	0.60
1000.0	16.01	20.72	12.95	28.42	1.10	0.72	36.57	19.60	0.72
1100.0	15.31	20.03	13.00	28.44	1.10	0.72	36.97	19.68	0.68
1200.0	14.65	19.39	13.02	28.19	1.10	0.72	37.93	19.81	0.77
1300.0	14.05	18.79	13.00	28.25	1.10	0.72	37.49	19.77	0.78
1400.0	13.49	18.22	12.98	28.06	1.10	0.72	37.44	19.83	0.81
1500.0	12.96	17.71	12.98	27.82	1.10	0.72	37.68	19.92	0.85
1600.0	12.47	17.19	12.98	27.48	1.10	0.72	38.00	20.04	0.83
1700.0	12.01	16.77	12.97	27.09	1.10	0.73	38.06	20.18	0.86
1800.0	11.58	16.30	12.98	26.54	1.10	0.72	38.46	20.10	0.90
1900.0	11.18	15.90	13.06	25.93	1.10	0.72	38.59	20.07	0.91
2000.0	10.80	15.51	13.08	25.42	1.09	0.72	38.25	20.24	0.90
2100.0	10.43	15.14	13.15	24.65	1.09	0.72	38.03	19.89	0.93
2200.0	10.09	14.78	13.22	24.07	1.09	0.72	38.85	20.39	0.95
2300.0	9.76	14.46	13.35	23.59	1.09	0.72	38.60	20.29	0.88
2400.0	9.46	14.13	13.34	23.07	1.09	0.72	38.38	20.44	0.97
2500.0	9.17	13.81	13.46	22.53	1.09	0.71	38.66	20.33	1.02
2600.0	8.89	13.52	13.61	21.96	1.09	0.71	38.44	20.40	1.09
2700.0	8.63	13.23	13.65	21.44	1.08	0.71	38.76	20.50	1.19
2800.0	8.37	12.97	13.85	20.96	1.08	0.71	38.57	20.71	1.21
2900.0	8.13	12.72	13.95	20.61	1.08	0.71	38.49	20.52	1.26
3000.0	7.91	12.45	14.00	20.30	1.08	0.70	37.88	20.54	1.02
3200.0	7.47	12.00	14.46	19.56	1.08	0.69	38.35	20.83	1.16
3300.0	7.28	11.75	14.40	19.30	1.08	0.69	37.89	20.55	1.10
3400.0	7.09	11.51	14.54	19.09	1.07	0.69	37.96	20.79	1.16
3500.0	6.91	11.31	14.64	18.71	1.07	0.68	37.74	20.84	1.12
3600.0	6.73	11.12	14.72	18.61	1.07	0.68	38.45	21.22	1.17
3700.0	6.50	11.00	14.99	18.78	1.08	0.69	38.34	21.03	1.31
3800.0	6.38	10.74	14.97	18.42	1.07	0.68	37.79	20.74	1.32
4000.0	6.07	10.38	15.07	18.25	1.07	0.67	38.01	20.95	1.14

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 = 56.11mA @ 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)			(dBm)	(dBm)	(dB)
50.0	26.47	29.23	6.94	13.83	0.84	0.69	33.78	14.85	0.41
100.0	25.56	29.24	9.13	19.90	0.97	0.70	34.63	15.35	0.37
200.0	24.40	28.33	10.66	27.74	1.03	0.69	34.50	17.22	0.33
400.0	21.94	26.25	12.32	31.72	1.08	0.68	36.17	18.75	0.38
500.0	20.79	25.23	12.95	29.30	1.09	0.69	36.10	18.87	0.46
600.0	19.72	24.22	13.33	28.08	1.10	0.69	37.24	18.95	0.42
700.0	18.74	23.27	13.48	26.97	1.10	0.69	37.37	19.02	0.47
800.0	17.85	22.43	13.69	26.32	1.10	0.69	38.51	19.10	0.45
900.0	17.03	21.63	13.70	26.62	1.10	0.70	39.53	19.16	0.47
1000.0	16.27	20.89	13.67	26.54	1.10	0.70	37.67	19.26	0.59
1100.0	15.58	20.20	13.77	26.38	1.10	0.70	38.71	19.32	0.52
1200.0	14.93	19.54	13.76	26.38	1.10	0.70	40.10	19.45	0.54
1300.0	14.34	18.98	13.56	26.69	1.10	0.71	39.73	19.38	0.59
1400.0	13.79	18.41	13.55	26.54	1.10	0.70	39.92	19.45	0.59
1500.0	13.27	17.89	13.55	26.55	1.10	0.71	39.42	19.56	0.64
1600.0	12.79	17.38	13.46	26.57	1.09	0.71	40.21	19.67	0.65
1700.0	12.33	16.94	13.40	26.15	1.09	0.71	40.78	19.81	0.65
1800.0	11.91	16.48	13.42	25.80	1.09	0.70	41.02	19.71	0.69
1900.0	11.51	16.08	13.49	25.40	1.09	0.71	41.18	19.71	0.62
2000.0	11.13	15.67	13.42	24.79	1.09	0.70	40.87	19.89	0.72
2100.0	10.77	15.29	13.55	23.94	1.09	0.70	40.51	19.43	0.67
2200.0	10.44	14.93	13.66	23.52	1.08	0.70	40.59	20.05	0.68
2300.0	10.11	14.60	13.67	23.07	1.08	0.70	40.33	20.00	0.63
2400.0	9.82	14.28	13.79	22.41	1.08	0.70	41.27	20.07	0.69
2500.0	9.53	13.95	13.94	21.84	1.08	0.69	40.96	19.94	0.71
2600.0	9.25	13.66	13.95	21.34	1.08	0.69	40.71	20.09	0.79
2700.0	8.99	13.39	14.18	20.65	1.08	0.69	40.44	20.26	0.86
2800.0	8.74	13.09	14.38	20.23	1.07	0.68	41.03	20.51	0.87
2900.0	8.51	12.82	14.32	19.76	1.07	0.68	40.02	20.07	0.93
3000.0	8.29	12.55	14.56	19.14	1.06	0.67	39.45	20.33	0.65
3200.0	7.85	12.09	14.76	18.85	1.06	0.67	40.23	20.69	0.82
3300.0	7.67	11.85	14.82	18.47	1.06	0.66	38.57	20.03	0.75
3400.0	7.46	11.65	15.39	18.13	1.06	0.66	38.94	20.58	0.77
3500.0	7.29	11.41	15.06	17.87	1.06	0.65	38.56	20.57	0.82
3600.0	7.13	11.20	15.01	17.85	1.05	0.65	40.30	21.04	0.70
3700.0	6.93	10.99	15.28	17.96	1.06	0.65	39.58	20.78	0.76
3800.0	6.78	10.80	15.15	17.84	1.05	0.64	37.65	20.39	0.89
4000.0	6.47	10.44	15.46	17.69	1.05	0.64	37.75	20.82	0.80

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 = 2.70V, Id = 47.98mA @ 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)			(dBm)	(dBm)	(dB)
50.0	26.15	29.71	6.59	13.16	0.85	0.78	32.44	13.72	0.40
100.0	25.25	28.94	8.81	18.84	0.97	0.71	33.11	14.23	0.35
200.0	24.15	28.09	10.32	24.83	1.03	0.69	33.01	16.18	0.32
400.0	21.79	26.20	12.01	28.20	1.08	0.70	34.86	17.75	0.35
500.0	20.67	25.17	12.71	27.04	1.09	0.70	34.85	17.87	0.42
600.0	19.63	24.23	13.15	25.89	1.10	0.70	35.99	17.95	0.41
700.0	18.67	23.33	13.32	25.09	1.10	0.70	35.87	18.02	0.45
800.0	17.79	22.51	13.55	24.47	1.11	0.71	36.90	18.10	0.44
900.0	16.98	21.73	13.57	24.78	1.11	0.71	37.77	18.16	0.45
1000.0	16.23	21.00	13.58	24.65	1.11	0.71	36.19	18.28	0.49
1100.0	15.55	20.35	13.69	24.49	1.11	0.71	37.01	18.34	0.49
1200.0	14.91	19.69	13.68	24.49	1.11	0.71	38.25	18.46	0.53
1300.0	14.32	19.11	13.52	24.71	1.11	0.72	37.80	18.40	0.56
1400.0	13.78	18.57	13.49	24.51	1.11	0.72	37.91	18.46	0.57
1500.0	13.26	18.05	13.51	24.61	1.10	0.72	38.03	18.57	0.58
1600.0	12.78	17.54	13.40	24.57	1.10	0.72	38.39	18.67	0.61
1700.0	12.32	17.09	13.34	24.28	1.10	0.72	38.70	18.81	0.62
1800.0	11.91	16.65	13.38	23.97	1.10	0.72	39.11	18.72	0.63
1900.0	11.50	16.23	13.43	23.68	1.10	0.72	38.70	18.74	0.66
2000.0	11.13	15.84	13.36	23.18	1.09	0.72	38.48	18.91	0.61
2100.0	10.77	15.47	13.47	22.51	1.09	0.72	37.70	18.51	0.68
2200.0	10.44	15.08	13.58	22.13	1.09	0.71	38.85	19.14	0.68
2300.0	10.12	14.75	13.60	21.72	1.09	0.71	37.99	19.04	0.59
2400.0	9.82	14.43	13.70	21.15	1.08	0.71	38.25	19.14	0.65
2500.0	9.53	14.12	13.82	20.72	1.08	0.71	37.51	19.01	0.70
2600.0	9.25	13.81	13.86	20.22	1.08	0.70	37.39	19.14	0.75
2700.0	9.00	13.53	14.07	19.65	1.08	0.70	37.70	19.41	0.91
2800.0	8.75	13.24	14.28	19.27	1.08	0.69	37.36	19.48	0.85
2900.0	8.52	12.98	14.22	18.84	1.07	0.69	36.67	19.12	0.87
3000.0	8.30	12.70	14.47	18.26	1.07	0.68	36.53	19.35	0.63
3200.0	7.86	12.24	14.63	17.99	1.07	0.68	36.68	19.81	0.74
3300.0	7.68	12.01	14.67	17.62	1.06	0.67	35.57	19.13	0.73
3400.0	7.49	11.80	15.22	17.26	1.06	0.67	35.75	19.63	0.75
3500.0	7.31	11.55	14.94	17.15	1.06	0.66	35.54	19.61	0.69
3600.0	7.14	11.34	14.85	17.08	1.05	0.66	36.60	20.13	0.72
3700.0	6.95	11.14	15.12	17.19	1.06	0.66	35.97	19.86	0.81
3800.0	6.79	10.94	15.07	17.10	1.05	0.65	34.86	19.57	0.86
4000.0	6.49	10.57	15.30	16.92	1.05	0.65	34.68	19.93	0.68

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 = 3.30V, Id = 63.03mA @ 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)			(dBm)	(dBm)	(dB)
50.0	26.62	29.57	7.01	14.07	0.85	0.71	34.95	15.86	0.34
100.0	25.70	29.36	9.27	20.39	0.98	0.70	35.77	16.37	0.31
200.0	24.53	28.47	10.81	29.11	1.03	0.68	35.86	18.31	0.26
400.0	22.03	26.35	12.47	31.44	1.08	0.68	37.55	19.64	0.32
500.0	20.85	25.32	13.12	28.82	1.10	0.69	37.68	19.73	0.48
600.0	19.78	24.28	13.45	27.68	1.10	0.69	38.81	19.79	0.46
700.0	18.80	23.38	13.60	26.65	1.10	0.69	38.94	19.84	0.46
800.0	17.90	22.46	13.79	26.01	1.10	0.69	40.13	19.91	0.43
900.0	17.07	21.68	13.79	26.18	1.10	0.70	40.65	19.97	0.50
1000.0	16.31	20.95	13.78	26.13	1.10	0.70	39.22	20.07	0.56
1100.0	15.62	20.24	13.86	26.04	1.10	0.70	39.80	20.14	0.55
1200.0	14.97	19.58	13.86	25.96	1.10	0.70	41.31	20.24	0.59
1300.0	14.37	18.99	13.68	26.30	1.10	0.70	41.52	20.19	0.61
1400.0	13.82	18.43	13.63	26.09	1.10	0.70	41.41	20.25	0.62
1500.0	13.30	17.91	13.65	26.26	1.10	0.70	41.92	20.35	0.65
1600.0	12.81	17.41	13.55	26.22	1.10	0.70	42.19	20.46	0.67
1700.0	12.35	16.96	13.50	25.78	1.10	0.71	41.91	20.59	0.71
1800.0	11.94	16.51	13.52	25.42	1.09	0.70	42.23	20.48	0.70
1900.0	11.53	16.06	13.60	25.15	1.09	0.70	42.36	20.50	0.71
2000.0	11.16	15.70	13.52	24.55	1.09	0.70	42.82	20.68	0.66
2100.0	10.80	15.32	13.64	23.67	1.09	0.70	43.96	20.27	0.66
2200.0	10.46	14.94	13.76	23.23	1.08	0.70	44.25	20.90	0.65
2300.0	10.13	14.62	13.78	22.86	1.08	0.70	43.30	20.86	0.64
2400.0	9.83	14.29	13.88	22.17	1.08	0.69	45.98	20.92	0.72
2500.0	9.55	13.97	14.05	21.70	1.08	0.69	45.52	20.74	0.83
2600.0	9.27	13.67	14.05	21.14	1.08	0.69	47.43	20.88	0.80
2700.0	9.01	13.39	14.27	20.53	1.08	0.68	44.07	21.06	1.23
2800.0	8.76	13.10	14.47	20.07	1.07	0.68	45.83	21.27	1.19
2900.0	8.53	12.84	14.41	19.64	1.07	0.68	46.14	20.84	0.92
3000.0	8.30	12.56	14.66	19.06	1.07	0.67	44.34	21.07	0.67
3200.0	7.86	12.11	14.88	18.72	1.07	0.67	45.61	21.44	0.90
3300.0	7.68	11.86	14.89	18.31	1.06	0.66	46.24	20.84	0.78
3400.0	7.48	11.64	15.36	18.02	1.06	0.65	45.28	21.35	0.90
3500.0	7.30	11.43	15.17	17.81	1.06	0.65	44.15	21.31	0.82
3600.0	7.14	11.21	15.11	17.71	1.05	0.65	46.34	21.80	0.82
3700.0	6.94	11.03	15.38	17.91	1.06	0.65	45.70	21.51	0.85
3800.0	6.79	10.82	15.26	17.76	1.05	0.64	44.95	21.19	0.89
4000.0	6.48	10.46	15.54	17.57	1.05	0.64	44.19	21.54	0.83

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 = 51.36mA @ 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)
50.0	25.74	29.50	5.65	12.43	0.86	0.77	31.93	14.41	0.59
100.0	25.06	29.34	7.00	15.56	0.95	0.78	31.81	14.82	0.53
200.0	23.95	28.30	8.11	18.10	0.98	0.78	31.75	15.94	0.51
400.0	21.46	25.86	9.87	20.88	1.02	0.75	33.05	16.94	0.63
500.0	20.25	24.71	10.43	22.25	1.04	0.75	33.05	17.08	0.62
600.0	19.16	23.75	10.88	23.31	1.05	0.75	33.55	17.38	0.75
700.0	18.16	22.82	11.30	24.04	1.07	0.75	33.60	17.45	0.74
800.0	17.22	21.97	11.57	24.49	1.08	0.75	34.16	17.52	0.75
900.0	16.38	21.20	11.74	24.67	1.08	0.75	34.68	17.83	0.81
1000.0	15.62	20.50	11.94	24.91	1.09	0.75	33.72	17.70	0.91
1100.0	14.91	19.81	12.05	25.41	1.09	0.75	34.23	17.86	0.89
1200.0	14.26	19.18	12.06	25.52	1.09	0.75	34.97	18.00	0.98
1300.0	13.65	18.60	12.21	25.15	1.10	0.75	34.87	18.03	0.98
1400.0	13.09	18.05	12.24	25.20	1.10	0.75	34.82	18.12	1.00
1500.0	12.56	17.53	12.18	25.52	1.10	0.75	34.85	18.13	1.07
1600.0	12.07	17.04	12.29	25.33	1.10	0.75	35.08	18.36	1.12
1700.0	11.61	16.61	12.38	24.96	1.10	0.75	35.36	18.47	1.07
1800.0	11.17	16.17	12.34	24.48	1.10	0.75	35.75	18.43	1.19
1900.0	10.78	15.75	12.49	23.98	1.10	0.75	35.65	18.44	1.14
2000.0	10.40	15.37	12.59	23.73	1.10	0.75	35.65	18.54	1.17
2100.0	10.02	15.02	12.55	23.57	1.10	0.75	35.31	18.36	1.16
2200.0	9.68	14.64	12.64	23.05	1.10	0.75	35.96	18.58	1.19
2300.0	9.35	14.36	12.90	22.62	1.10	0.75	35.72	18.58	1.18
2400.0	9.04	14.00	12.73	22.52	1.10	0.75	36.00	18.82	1.29
2500.0	8.76	13.71	12.73	22.34	1.10	0.75	35.80	18.71	1.28
2600.0	8.47	13.44	13.00	21.90	1.10	0.75	35.77	18.85	1.37
2700.0	8.19	13.15	13.10	21.52	1.10	0.74	35.96	18.84	1.56
2800.0	7.94	12.90	13.09	21.17	1.10	0.74	35.73	19.02	1.53
2900.0	7.71	12.63	13.31	20.94	1.10	0.74	35.98	18.95	1.58
3000.0	7.47	12.38	13.33	21.01	1.10	0.74	35.37	18.94	1.30
3200.0	7.05	11.94	13.67	20.06	1.10	0.73	35.76	19.01	1.58
3300.0	6.85	11.69	13.73	19.82	1.09	0.73	35.37	19.06	1.48
3400.0	6.65	11.46	13.67	19.93	1.09	0.73	35.32	19.09	1.54
3500.0	6.47	11.25	13.80	19.52	1.09	0.72	35.22	19.08	1.53
3600.0	6.28	11.10	14.12	19.28	1.09	0.72	35.72	19.54	1.52
3700.0	6.07	10.94	14.21	19.18	1.10	0.72	35.51	19.46	1.65
3800.0	5.94	10.69	14.27	18.85	1.09	0.71	35.13	19.24	1.67
4000.0	5.63	10.37	14.34	18.87	1.09	0.71	35.36	19.46	1.64

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 = 2.70V, Id= 46.68mA @ 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)
50.0	25.53	30.40	5.41	12.35	0.88	0.88	30.80	13.43	0.57
100.0	24.86	29.28	6.79	15.40	0.95	0.80	30.53	13.91	0.56
200.0	23.76	28.06	7.86	17.82	0.97	0.79	30.51	15.13	0.53
400.0	21.28	25.52	9.59	20.62	1.00	0.75	31.65	16.24	0.66
500.0	20.08	24.46	10.12	22.17	1.02	0.75	31.65	16.40	0.63
600.0	18.98	23.47	10.56	23.40	1.04	0.75	32.00	16.70	0.71
700.0	17.99	22.58	10.98	24.07	1.05	0.75	31.85	16.76	0.77
800.0	17.05	21.74	11.22	24.65	1.07	0.75	32.41	16.87	0.78
900.0	16.21	20.97	11.40	25.08	1.07	0.75	32.81	17.12	0.80
1000.0	15.45	20.22	11.59	25.60	1.08	0.75	32.05	17.04	0.90
1100.0	14.75	19.54	11.69	26.09	1.08	0.75	32.57	17.17	0.91
1200.0	14.09	18.93	11.71	26.20	1.09	0.75	33.10	17.33	0.94
1300.0	13.49	18.37	11.86	25.93	1.09	0.75	32.85	17.35	0.99
1400.0	12.93	17.79	11.88	26.07	1.09	0.75	32.96	17.43	1.03
1500.0	12.40	17.28	11.84	26.40	1.09	0.75	33.14	17.44	1.07
1600.0	11.91	16.82	11.93	26.30	1.09	0.75	33.25	17.66	1.09
1700.0	11.45	16.35	12.02	25.92	1.10	0.75	33.40	17.77	1.08
1800.0	11.02	15.92	11.99	25.52	1.09	0.75	33.61	17.77	1.14
1900.0	10.62	15.52	12.15	25.15	1.09	0.75	33.61	17.76	1.13
2000.0	10.24	15.13	12.25	24.82	1.10	0.75	33.57	17.87	1.15
2100.0	9.87	14.80	12.21	24.60	1.10	0.75	33.19	17.72	1.23
2200.0	9.53	14.42	12.30	24.12	1.09	0.75	34.03	17.91	1.14
2300.0	9.19	14.13	12.56	23.81	1.10	0.75	33.85	17.96	1.19
2400.0	8.89	13.79	12.40	23.70	1.09	0.75	33.93	18.13	1.31
2500.0	8.60	13.49	12.41	23.60	1.09	0.75	33.61	18.03	1.27
2600.0	8.32	13.21	12.67	23.13	1.10	0.74	33.63	18.15	1.40
2700.0	8.05	12.93	12.77	22.66	1.10	0.74	33.76	18.25	1.50
2800.0	7.79	12.67	12.77	22.49	1.09	0.74	33.78	18.39	1.53
2900.0	7.56	12.42	13.00	22.28	1.09	0.74	33.74	18.26	1.53
3000.0	7.33	12.16	13.02	22.30	1.09	0.73	33.36	18.17	1.34
3200.0	6.91	11.72	13.35	21.32	1.09	0.73	33.66	18.56	1.60
3300.0	6.71	11.47	13.42	21.04	1.09	0.72	33.19	18.43	1.52
3400.0	6.51	11.26	13.38	21.15	1.09	0.72	33.35	18.46	1.49
3500.0	6.34	11.05	13.51	20.72	1.09	0.72	33.16	18.57	1.54
3600.0	6.14	10.89	13.82	20.44	1.09	0.72	33.86	18.89	1.60
3700.0	5.94	10.74	13.92	20.44	1.09	0.72	33.60	18.86	1.72
3800.0	5.80	10.49	13.97	20.10	1.09	0.71	33.25	18.68	1.76
4000.0	5.50	10.15	14.07	20.05	1.09	0.71	33.27	18.85	1.65

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 = 3.30V, Id = 56.14mA @ 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)
50.0	25.89	30.65	5.80	12.37	0.91	0.83	32.83	15.08	0.61
100.0	25.20	29.56	7.18	15.77	0.96	0.78	32.68	15.54	0.54
200.0	24.09	28.35	8.29	18.33	0.99	0.76	32.71	16.55	0.50
400.0	21.58	26.03	10.08	20.94	1.03	0.75	34.08	17.47	0.61
500.0	20.37	24.95	10.66	22.09	1.05	0.75	34.00	17.59	0.68
600.0	19.27	23.90	11.11	22.92	1.06	0.74	34.85	17.92	0.74
700.0	18.27	23.03	11.55	23.59	1.08	0.75	34.90	17.95	0.76
800.0	17.33	22.14	11.82	23.83	1.08	0.75	35.60	18.06	0.77
900.0	16.49	21.38	11.97	23.72	1.09	0.75	36.24	18.35	0.79
1000.0	15.73	20.62	12.18	23.82	1.09	0.75	34.97	18.21	0.87
1100.0	15.02	20.01	12.29	24.32	1.10	0.75	35.55	18.34	0.89
1200.0	14.36	19.32	12.30	24.39	1.10	0.75	36.55	18.50	0.96
1300.0	13.76	18.74	12.46	24.02	1.10	0.75	36.20	18.53	0.98
1400.0	13.19	18.24	12.48	23.98	1.10	0.76	36.41	18.62	1.00
1500.0	12.66	17.71	12.42	24.19	1.10	0.76	36.55	18.62	1.06
1600.0	12.18	17.21	12.52	24.01	1.10	0.75	36.64	18.86	1.08
1700.0	11.71	16.76	12.60	23.77	1.11	0.76	36.83	18.99	1.07
1800.0	11.28	16.33	12.57	23.32	1.10	0.76	37.14	18.96	1.15
1900.0	10.88	15.91	12.72	22.83	1.10	0.75	37.37	18.92	1.13
2000.0	10.50	15.52	12.83	22.62	1.10	0.75	37.12	19.06	1.18
2100.0	10.12	15.17	12.78	22.43	1.10	0.75	37.10	18.94	1.23
2200.0	9.78	14.82	12.85	22.00	1.10	0.75	37.51	19.08	1.23
2300.0	9.45	14.49	13.13	21.54	1.11	0.75	37.34	19.09	1.14
2400.0	9.14	14.18	12.94	21.48	1.10	0.75	37.98	19.34	1.28
2500.0	8.85	13.87	12.95	21.26	1.10	0.75	37.43	19.23	1.31
2600.0	8.56	13.60	13.23	20.84	1.10	0.75	37.66	19.35	1.43
2700.0	8.29	13.32	13.33	20.58	1.10	0.75	37.38	19.27	1.60
2800.0	8.03	13.04	13.30	20.23	1.10	0.74	37.31	19.55	1.60
2900.0	7.80	12.79	13.51	19.91	1.10	0.74	37.67	19.57	1.55
3000.0	7.56	12.55	13.56	20.01	1.10	0.74	37.00	19.50	1.37
3200.0	7.14	12.08	13.87	19.12	1.10	0.73	37.06	19.62	1.47
3300.0	6.94	11.85	13.93	18.93	1.10	0.73	37.24	19.65	1.51
3400.0	6.74	11.62	13.87	19.04	1.09	0.73	37.10	19.61	1.54
3500.0	6.56	11.41	13.99	18.67	1.09	0.72	36.82	19.67	1.48
3600.0	6.36	11.24	14.33	18.45	1.10	0.72	37.33	19.92	1.58
3700.0	6.15	11.09	14.41	18.27	1.10	0.73	37.23	19.97	1.61
3800.0	6.02	10.85	14.47	18.01	1.09	0.72	37.01	19.84	1.74
4000.0	5.72	10.49	14.51	18.01	1.09	0.71	36.81	19.88	1.62