

## 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, Icc = 36mA @ Temperature = +25°C

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability		IP-3 Output (dBm)	1dB Comp. Output (dBm)	Noise Figure (dB)
					K	Measure			
10	30.89	36.71	10.14	19.19	1.15	0.80	26.04	12.11	3.13
20	31.14	36.48	10.62	21.20	1.13	0.76	25.23	12.58	2.85
30	31.23	36.47	10.83	21.60	1.13	0.75	26.59	12.51	2.88
40	31.27	36.18	10.97	21.16	1.11	0.72	25.65	12.74	2.97
50	31.29	36.11	11.05	21.11	1.11	0.71	26.19	12.80	2.93
60	31.29	36.21	11.17	20.58	1.11	0.72	25.13	12.61	2.91
70	31.29	36.15	11.22	20.06	1.11	0.71	26.12	12.76	2.90
80	31.29	36.21	11.21	19.47	1.11	0.71	25.18	12.86	2.96
90	31.27	36.12	11.36	19.01	1.11	0.71	25.13	12.76	2.95
100	31.26	36.19	11.34	18.60	1.11	0.71	25.59	12.75	2.96
200	30.89	36.01	11.93	14.56	1.10	0.71	24.72	12.77	3.16
250	30.63	35.88	12.27	12.98	1.10	0.70	23.96	12.69	3.24
300	30.34	35.80	12.63	11.75	1.09	0.70	23.96	12.55	3.35
350	30.05	35.60	12.86	10.80	1.08	0.70	24.11	12.65	3.39
400	29.72	35.54	13.24	9.91	1.07	0.70	24.13	12.50	3.44
450	29.39	35.29	13.61	9.23	1.06	0.69	24.15	12.39	3.47
500	29.07	35.00	13.93	8.56	1.04	0.67	23.82	12.62	3.53
550	28.73	34.78	14.29	8.15	1.03	0.66	24.02	12.49	3.59
600	28.39	34.59	14.56	7.71	1.03	0.66	23.79	12.46	3.67
650	28.06	34.35	14.89	7.39	1.02	0.65	23.47	12.23	3.66
700	27.73	34.16	15.11	7.07	1.01	0.64	23.65	12.34	3.69
750	27.41	33.90	15.38	6.88	1.00	0.64	23.32	12.20	3.69
800	27.05	33.61	15.84	6.74	1.00	0.63	23.53	12.44	3.65
850	26.73	33.36	16.06	6.54	1.00	0.63	23.40	12.24	3.67
900	26.41	33.09	16.33	6.46	1.00	0.63	23.26	12.37	3.67
950	26.10	32.98	16.60	6.40	1.01	0.63	23.22	11.97	3.73
1000	25.78	32.71	16.89	6.35	1.01	0.63	23.24	11.95	3.67
1050	25.46	32.52	17.32	6.33	1.02	0.63	23.01	11.92	3.69
1100	25.15	32.31	17.53	6.35	1.03	0.64	22.82	12.03	3.76
1150	24.85	32.12	17.89	6.37	1.04	0.64	22.65	12.05	3.75
1200	24.56	31.79	18.09	6.43	1.04	0.64	22.69	11.72	3.75
1250	24.26	31.69	18.35	6.49	1.06	0.65	22.45	11.72	3.80
1300	23.97	31.44	18.62	6.55	1.07	0.65	22.44	11.74	3.83
1350	23.69	31.17	18.71	6.69	1.08	0.66	22.44	11.72	3.82
1400	23.41	31.02	18.97	6.77	1.10	0.67	22.09	11.27	3.82
1450	23.13	30.75	19.25	6.88	1.10	0.67	21.76	11.31	3.84
1500	22.86	30.59	19.33	7.04	1.12	0.68	21.86	11.12	3.83
1550	22.61	30.45	19.33	7.19	1.14	0.69	21.80	11.02	3.87
1600	22.33	30.21	19.46	7.34	1.15	0.70	21.54	10.84	3.91
1650	22.08	30.06	19.48	7.50	1.17	0.71	21.22	10.58	3.91
1700	21.83	29.92	19.42	7.67	1.19	0.72	21.11	10.37	3.93
1750	21.58	29.72	19.27	7.89	1.21	0.73	20.67	10.34	3.99
1800	21.33	29.52	19.18	8.06	1.22	0.73	20.67	9.97	3.95
1850	21.09	29.36	19.02	8.25	1.24	0.74	20.58	9.93	4.03
1900	20.86	29.28	18.73	8.49	1.27	0.76	20.36	9.77	3.99
1950	20.62	29.05	18.48	8.72	1.28	0.76	20.37	9.56	3.97
2000	20.39	28.93	18.23	8.96	1.30	0.78	19.87	9.37	4.00
2200	19.49	28.31	16.97	10.02	1.37	0.81	19.19	8.86	4.12
2400	18.63	27.86	15.47	11.25	1.45	0.85	18.36	8.09	4.31
2600	17.76	27.49	14.03	12.54	1.53	0.89	18.16	7.57	4.31
2800	16.90	27.13	12.70	13.91	1.62	0.92	17.04	6.97	4.55
3000	16.02	26.90	11.61	14.91	1.72	0.95	16.03	6.28	4.52
3200	15.16	26.71	10.60	15.17	1.82	0.97	15.71	5.90	4.47
3400	14.28	26.63	9.74	14.47	1.95	0.99	14.62	5.13	4.59
3600	13.40	26.55	9.07	13.19	2.07	0.99	13.21	4.54	4.64
3800	12.48	26.52	8.55	11.81	2.21	0.99	12.45	3.61	4.69
4000	11.62	26.53	8.16	10.41	2.34	0.98	11.00	3.11	4.83

## 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 = 4.75V, Icc = 30mA @ 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)
10	29.99	36.44	9.35	17.44	1.19	0.83	24.82	11.16	3.09
20	30.23	36.14	9.70	16.66	1.16	0.78	24.72	11.64	2.83
30	30.31	35.93	9.81	16.18	1.15	0.75	24.93	11.59	2.86
40	30.35	35.95	10.02	16.03	1.15	0.74	24.54	11.72	2.91
50	30.38	35.93	10.02	15.68	1.14	0.74	24.93	11.71	2.90
60	30.39	35.81	10.21	15.55	1.14	0.72	23.94	11.64	2.87
70	30.39	35.88	10.19	15.49	1.14	0.73	24.46	11.80	2.88
80	30.39	35.75	10.19	15.24	1.13	0.72	24.16	11.82	2.92
90	30.37	35.74	10.31	15.14	1.13	0.72	23.94	11.83	2.89
100	30.35	35.83	10.36	14.92	1.14	0.72	24.25	11.82	2.93
200	30.02	35.65	10.88	13.27	1.13	0.72	23.41	11.60	3.13
250	29.78	35.57	11.20	12.44	1.13	0.73	23.21	11.52	3.22
300	29.51	35.28	11.49	11.59	1.11	0.72	22.98	11.38	3.33
350	29.23	35.23	11.77	10.92	1.11	0.72	22.75	11.54	3.38
400	28.92	35.18	12.14	10.27	1.11	0.73	22.74	11.28	3.42
450	28.61	34.91	12.45	9.63	1.10	0.72	22.58	10.95	3.45
500	28.30	34.66	12.81	9.17	1.09	0.71	22.42	11.19	3.48
550	27.99	34.54	13.13	8.76	1.09	0.71	22.61	11.23	3.55
600	27.68	34.24	13.35	8.34	1.07	0.70	22.42	11.19	3.61
650	27.36	33.90	13.72	8.04	1.06	0.69	22.17	10.97	3.62
700	27.04	33.68	13.95	7.73	1.05	0.69	22.35	10.99	3.64
750	26.72	33.61	14.19	7.53	1.06	0.69	22.07	10.99	3.65
800	26.41	33.28	14.49	7.31	1.04	0.68	22.18	11.18	3.63
850	26.10	33.02	14.74	7.11	1.04	0.67	22.11	10.84	3.62
900	25.79	32.87	15.02	6.98	1.04	0.67	22.17	11.25	3.64
950	25.49	32.68	15.26	6.84	1.04	0.67	21.96	10.72	3.74
1000	25.18	32.42	15.60	6.74	1.04	0.67	22.12	10.73	3.65
1050	24.89	32.20	15.85	6.71	1.05	0.67	21.88	10.82	3.65
1100	24.61	31.93	16.01	6.63	1.04	0.67	21.87	10.83	3.71
1150	24.32	31.72	16.36	6.62	1.05	0.67	21.83	10.99	3.73
1200	24.05	31.46	16.52	6.62	1.05	0.67	21.71	10.67	3.68
1250	23.77	31.29	16.69	6.61	1.06	0.67	21.52	10.70	3.74
1300	23.49	31.09	16.89	6.64	1.07	0.67	21.52	10.77	3.76
1350	23.23	30.92	17.05	6.68	1.08	0.68	21.62	10.77	3.76
1400	22.96	30.71	17.20	6.74	1.09	0.68	21.20	10.43	3.78
1450	22.71	30.50	17.30	6.82	1.10	0.69	21.01	10.51	3.78
1500	22.45	30.28	17.39	6.89	1.11	0.69	20.99	10.31	3.77
1550	22.20	30.16	17.47	6.99	1.12	0.70	21.00	10.35	3.82
1600	21.95	29.96	17.54	7.13	1.14	0.71	20.79	9.93	3.86
1650	21.71	29.79	17.52	7.24	1.15	0.72	20.49	9.92	3.85
1700	21.47	29.56	17.48	7.40	1.16	0.72	20.35	9.71	3.86
1750	21.23	29.34	17.34	7.59	1.17	0.73	19.90	9.59	3.89
1800	20.99	29.26	17.25	7.78	1.20	0.74	19.98	9.20	3.89
1850	20.75	29.05	17.10	7.97	1.21	0.75	19.88	9.17	3.94
1900	20.53	28.88	16.85	8.16	1.22	0.76	19.67	9.24	3.92
1950	20.30	28.78	16.75	8.43	1.25	0.77	19.60	8.93	3.97
2000	20.07	28.68	16.54	8.68	1.27	0.79	19.20	8.86	3.94
2200	19.17	28.10	15.43	9.92	1.35	0.83	18.48	8.36	4.04
2400	18.27	27.65	14.23	11.52	1.44	0.88	17.73	7.49	4.07
2600	17.37	27.36	13.04	13.61	1.56	0.92	17.48	7.08	4.25
2800	16.48	27.09	11.93	15.99	1.68	0.96	16.36	6.40	4.35
3000	15.59	26.92	11.03	17.99	1.80	0.99	15.43	5.83	4.37
3200	14.71	26.75	10.17	17.88	1.92	1.01	15.11	5.45	4.39
3400	13.83	26.71	9.51	15.81	2.06	1.01	14.08	4.80	4.45
3600	12.96	26.61	8.95	13.60	2.18	1.01	12.79	4.12	4.53
3800	12.08	26.63	8.52	11.75	2.32	1.00	12.05	3.30	4.58
4000	11.26	26.56	8.14	10.27	2.43	0.98	10.59	2.82	4.69

## 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 = 5.25, Icc = 42mA @ Temperature = +25°C

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability		IP-3 Output (dBm)	1dB Comp. Output (dBm)	Noise Figure (dB)
					K	Measure			
10	31.47	37.24	11.04	18.82	1.15	0.79	27.48	12.76	3.13
20	31.73	36.82	11.66	24.49	1.12	0.74	27.40	13.25	2.85
30	31.82	36.85	11.91	28.07	1.12	0.74	27.10	13.13	2.88
40	31.86	36.71	12.15	28.43	1.12	0.72	26.77	13.50	2.97
50	31.88	36.77	12.20	28.42	1.12	0.72	27.57	13.67	2.93
60	31.88	36.75	12.33	26.83	1.12	0.72	26.60	13.31	2.91
70	31.87	36.61	12.41	25.15	1.11	0.71	27.29	13.53	2.90
80	31.87	36.62	12.41	23.68	1.11	0.71	26.28	13.62	2.96
90	31.85	36.56	12.59	22.58	1.11	0.70	26.38	13.50	2.95
100	31.84	36.54	12.53	21.65	1.10	0.70	26.96	13.38	2.96
200	31.44	36.45	13.18	15.39	1.10	0.70	25.89	13.43	3.16
250	31.16	36.21	13.53	13.48	1.09	0.69	25.51	12.82	3.24
300	30.85	36.11	13.86	12.03	1.08	0.69	25.33	13.36	3.35
350	30.53	36.06	14.11	10.98	1.08	0.69	25.36	13.32	3.39
400	30.17	35.81	14.48	10.03	1.07	0.68	25.24	13.17	3.44
450	29.82	35.66	14.91	9.33	1.07	0.68	25.14	13.24	3.47
500	29.47	35.50	15.23	8.64	1.06	0.67	24.87	13.66	3.53
550	29.11	35.34	15.63	8.20	1.06	0.67	24.88	12.98	3.59
600	28.76	35.00	15.88	7.78	1.04	0.65	24.89	13.07	3.67
650	28.40	34.80	16.14	7.45	1.03	0.65	24.60	13.07	3.66
700	28.05	34.66	16.43	7.15	1.04	0.65	24.54	13.06	3.69
750	27.71	34.38	16.73	6.95	1.03	0.64	24.53	12.90	3.69
800	27.33	34.17	17.16	6.80	1.04	0.64	24.31	13.05	3.65
850	27.00	33.90	17.47	6.64	1.03	0.63	23.99	13.04	3.67
900	26.67	33.68	17.71	6.54	1.04	0.63	24.04	12.98	3.67
950	26.35	33.43	17.97	6.49	1.04	0.63	24.22	12.72	3.72
1000	26.02	33.13	18.26	6.43	1.04	0.63	24.05	12.68	3.67
1050	25.67	33.05	18.74	6.44	1.06	0.64	23.79	12.67	3.69
1100	25.36	32.74	19.04	6.42	1.06	0.64	23.53	12.77	3.76
1150	25.05	32.48	19.36	6.46	1.07	0.64	23.38	12.76	3.75
1200	24.75	32.17	19.50	6.52	1.07	0.64	23.40	12.42	3.75
1250	24.45	32.00	19.87	6.57	1.09	0.65	22.96	12.41	3.80
1300	24.15	31.87	20.15	6.65	1.11	0.66	23.12	12.30	3.83
1350	23.86	31.54	20.28	6.78	1.11	0.66	22.94	12.27	3.82
1400	23.57	31.47	20.58	6.85	1.14	0.67	22.62	11.93	3.82
1450	23.29	31.25	20.83	6.97	1.15	0.68	22.41	11.83	3.84
1500	23.02	31.01	20.87	7.12	1.16	0.69	22.44	11.54	3.83
1550	22.76	30.85	20.92	7.26	1.18	0.69	22.30	11.53	3.87
1600	22.48	30.67	20.92	7.41	1.20	0.70	22.20	11.27	3.91
1650	22.23	30.47	20.92	7.58	1.21	0.71	21.68	11.09	3.91
1700	21.98	30.26	20.84	7.72	1.23	0.72	21.76	10.87	3.93
1750	21.72	30.05	20.65	7.93	1.24	0.73	21.18	10.73	4.02
1800	21.47	29.86	20.44	8.09	1.25	0.73	21.16	10.58	3.95
1850	21.23	29.76	20.28	8.28	1.28	0.74	21.10	10.32	4.03
1900	21.00	29.55	19.94	8.50	1.29	0.75	20.91	10.26	3.99
1950	20.76	29.44	19.60	8.73	1.31	0.76	20.91	9.94	3.97
2000	20.53	29.30	19.26	8.94	1.33	0.77	20.41	9.86	4.00
2200	19.62	28.67	17.79	9.94	1.40	0.81	19.80	9.33	4.12
2400	18.76	28.10	16.09	11.10	1.47	0.84	18.93	8.57	4.31
2600	17.89	27.70	14.51	12.29	1.55	0.88	18.72	7.93	4.31
2800	17.03	27.33	13.11	13.49	1.63	0.91	17.53	7.42	4.55
3000	16.16	27.04	11.93	14.35	1.73	0.94	16.56	6.74	4.59
3200	15.29	26.87	10.82	14.54	1.83	0.96	16.13	6.25	4.47
3400	14.41	26.76	9.96	13.92	1.95	0.98	15.02	5.46	4.59
3600	13.52	26.68	9.21	12.78	2.07	0.98	13.57	4.77	4.64
3800	12.60	26.61	8.67	11.45	2.20	0.98	12.78	4.04	4.69
4000	11.74	26.58	8.24	10.16	2.32	0.97	11.26	3.31	4.83

## 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 = 5.00V, Icc = 35mA @ Temperature = -45°C

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability		IP-3 Output (dBm)	1dB Comp. Output (dBm)	Noise Figure (dB)
					K	Measure			
10	31.52	37.25	11.07	17.68	1.14	0.78	25.31	12.07	2.70
20	31.79	36.87	11.71	23.50	1.12	0.74	24.85	12.52	2.48
30	31.90	36.92	12.01	27.32	1.12	0.74	25.87	12.55	2.52
40	31.94	36.82	12.23	28.75	1.12	0.72	25.31	12.79	2.57
50	31.97	36.62	12.31	29.27	1.10	0.71	25.85	12.84	2.54
60	31.98	36.75	12.44	27.82	1.11	0.71	24.93	12.60	2.54
70	31.97	36.71	12.49	26.07	1.11	0.71	25.61	12.86	2.53
80	31.98	36.64	12.50	24.39	1.10	0.70	24.70	12.94	2.59
90	31.96	36.55	12.70	23.28	1.10	0.69	24.99	12.84	2.58
100	31.95	36.51	12.63	22.33	1.10	0.69	25.36	12.84	2.61
200	31.60	36.48	13.27	15.68	1.10	0.69	24.53	12.82	2.78
250	31.34	36.34	13.70	13.75	1.09	0.69	24.33	12.74	2.86
300	31.05	36.15	14.20	12.31	1.08	0.68	24.36	12.72	2.96
350	30.76	36.01	14.49	11.24	1.07	0.68	23.56	12.80	3.00
400	30.42	35.89	14.87	10.28	1.07	0.68	24.04	12.63	3.04
450	30.08	35.63	15.31	9.55	1.05	0.67	23.94	12.59	3.05
500	29.75	35.50	15.68	8.79	1.04	0.66	23.86	12.72	3.11
550	29.41	35.24	16.11	8.36	1.04	0.65	23.94	12.62	3.18
600	29.07	35.03	16.46	7.90	1.03	0.64	24.17	12.56	3.23
650	28.73	34.70	16.85	7.55	1.01	0.63	23.30	12.33	3.22
700	28.39	34.56	17.18	7.20	1.01	0.62	23.60	12.54	3.24
750	28.06	34.26	17.54	7.02	1.00	0.62	23.26	12.41	3.23
800	27.70	34.13	18.04	6.84	1.01	0.62	23.62	12.53	3.18
850	27.37	33.96	18.35	6.60	1.01	0.62	23.60	12.32	3.22
900	27.05	33.53	18.60	6.55	1.00	0.61	23.24	12.56	3.20
950	26.74	33.39	18.90	6.47	1.01	0.61	23.64	12.19	3.29
1000	26.42	33.29	19.24	6.37	1.02	0.61	23.33	12.16	3.22
1050	26.09	32.96	19.90	6.37	1.02	0.61	23.11	12.24	3.23
1100	25.78	32.73	20.11	6.35	1.03	0.61	23.15	12.15	3.28
1150	25.48	32.54	20.54	6.36	1.04	0.62	23.20	12.30	3.32
1200	25.19	32.21	20.78	6.43	1.04	0.62	23.12	12.09	3.30
1250	24.89	32.02	21.13	6.48	1.05	0.62	22.77	12.10	3.30
1300	24.61	31.86	21.25	6.52	1.07	0.63	23.13	12.13	3.34
1350	24.32	31.56	21.51	6.62	1.07	0.63	23.00	12.11	3.34
1400	24.04	31.39	21.91	6.70	1.09	0.64	22.48	11.79	3.37
1450	23.76	31.14	22.05	6.81	1.10	0.64	22.49	11.94	3.37
1500	23.49	30.95	21.91	6.93	1.11	0.65	22.33	11.77	3.37
1550	23.24	30.94	21.95	7.10	1.14	0.67	22.40	11.68	3.41
1600	22.97	30.69	21.83	7.24	1.15	0.68	22.32	11.30	3.43
1650	22.72	30.44	21.63	7.36	1.16	0.68	21.91	11.27	3.44
1700	22.47	30.24	21.45	7.53	1.17	0.69	21.76	11.03	3.46
1750	22.22	30.09	21.11	7.71	1.19	0.70	21.48	10.90	3.46
1800	21.98	29.90	20.75	7.86	1.20	0.71	21.34	10.63	3.49
1850	21.74	29.72	20.55	8.04	1.22	0.72	21.41	10.63	3.57
1900	21.51	29.61	20.04	8.27	1.24	0.73	21.23	10.56	3.52
1950	21.28	29.33	19.57	8.43	1.24	0.73	21.27	10.28	3.52
2000	21.04	29.26	19.19	8.64	1.26	0.74	20.72	10.18	3.53
2200	20.15	28.68	17.56	9.59	1.33	0.78	20.14	9.69	3.61
2400	19.30	28.25	15.76	10.66	1.41	0.82	19.41	8.84	3.66
2600	18.47	27.77	14.19	11.77	1.47	0.86	19.24	8.48	3.77
2800	17.65	27.32	12.75	12.98	1.53	0.89	18.12	7.79	3.92
3000	16.81	27.10	11.63	13.76	1.62	0.92	17.28	7.28	3.91
3200	15.97	26.82	10.39	13.97	1.69	0.95	16.95	6.78	3.96
3400	15.11	26.63	9.49	13.23	1.78	0.96	15.92	6.05	4.04
3600	14.24	26.64	8.78	12.13	1.89	0.97	14.48	5.49	4.10
3800	13.34	26.65	8.21	10.80	2.01	0.97	13.85	4.69	4.15
4000	12.48	26.51	7.77	9.55	2.09	0.95	12.25	4.09	4.25

## Typical Performance Data

### Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.75, Icc = 30mA @ 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)
10	30.34	36.61	10.06	17.80	1.18	0.82	25.17	10.95	2.75
20	30.63	36.41	10.63	19.55	1.17	0.78	24.70	11.58	2.51
30	30.74	36.38	10.87	19.45	1.16	0.77	25.68	11.56	2.53
40	30.78	36.21	11.09	19.32	1.15	0.75	25.20	11.69	2.56
50	30.82	36.15	11.11	18.91	1.14	0.74	25.65	11.68	2.55
60	30.83	36.11	11.31	18.68	1.14	0.73	24.75	11.53	2.56
70	30.83	36.15	11.32	18.53	1.14	0.73	25.53	11.82	2.56
80	30.84	36.14	11.30	18.13	1.14	0.73	24.55	11.81	2.60
90	30.82	36.09	11.42	17.98	1.14	0.73	24.90	11.82	2.59
100	30.80	36.14	11.50	17.58	1.14	0.73	25.21	11.84	2.60
200	30.50	35.82	12.07	14.76	1.12	0.71	24.55	11.55	2.79
250	30.26	35.67	12.47	13.60	1.12	0.71	24.18	11.34	2.88
300	29.99	35.68	12.78	12.51	1.12	0.72	24.31	11.47	2.99
350	29.71	35.40	13.11	11.62	1.11	0.71	23.50	11.60	3.02
400	29.40	35.17	13.54	10.83	1.10	0.71	24.00	11.34	3.05
450	29.09	35.01	13.86	10.13	1.09	0.70	24.02	11.07	3.09
500	28.78	34.87	14.22	9.58	1.08	0.70	23.83	11.20	3.10
550	28.46	34.62	14.55	9.12	1.08	0.70	23.81	11.25	3.19
600	28.15	34.45	14.80	8.63	1.07	0.69	24.16	11.08	3.25
650	27.83	34.27	15.27	8.27	1.06	0.69	23.31	10.97	3.25
700	27.51	33.99	15.56	7.95	1.06	0.68	23.65	11.10	3.25
750	27.18	33.79	15.92	7.68	1.05	0.67	23.33	10.99	3.26
800	26.87	33.51	16.21	7.44	1.04	0.67	23.63	11.26	3.18
850	26.56	33.33	16.54	7.25	1.05	0.66	23.65	10.81	3.22
900	26.24	33.09	16.87	7.09	1.04	0.66	23.26	11.33	3.24
950	25.94	32.86	17.13	6.93	1.04	0.65	23.66	10.93	3.34
1000	25.64	32.69	17.52	6.81	1.05	0.65	23.40	10.82	3.25
1050	25.34	32.46	17.88	6.74	1.05	0.65	23.17	10.80	3.23
1100	25.06	32.22	18.04	6.67	1.05	0.65	23.14	10.82	3.29
1150	24.77	32.06	18.31	6.63	1.06	0.65	23.21	11.01	3.33
1200	24.49	31.80	18.53	6.61	1.06	0.65	23.11	10.81	3.29
1250	24.22	31.59	18.65	6.61	1.06	0.65	22.81	10.94	3.34
1300	23.94	31.39	18.87	6.60	1.07	0.66	23.12	11.02	3.39
1350	23.68	31.23	19.02	6.65	1.08	0.66	23.01	11.12	3.36
1400	23.41	30.86	19.18	6.71	1.08	0.66	22.50	10.70	3.36
1450	23.17	30.79	19.15	6.76	1.10	0.67	22.50	11.01	3.39
1500	22.91	30.58	19.20	6.81	1.10	0.67	22.34	10.72	3.35
1550	22.66	30.39	19.26	6.92	1.12	0.68	22.38	10.77	3.41
1600	22.42	30.19	19.24	7.04	1.13	0.68	22.31	10.36	3.45
1650	22.18	30.02	19.20	7.13	1.14	0.69	21.92	10.50	3.45
1700	21.93	29.83	19.08	7.27	1.15	0.70	21.76	10.36	3.48
1750	21.71	29.66	18.87	7.44	1.16	0.71	21.47	10.25	3.52
1800	21.47	29.49	18.70	7.62	1.18	0.72	21.36	9.73	3.48
1850	21.23	29.32	18.53	7.79	1.19	0.73	21.42	9.86	3.59
1900	21.02	29.20	18.15	7.97	1.21	0.74	21.23	9.81	3.51
1950	20.79	28.99	17.91	8.22	1.22	0.75	21.27	9.65	3.51
2000	20.55	28.91	17.69	8.47	1.25	0.76	20.71	9.55	3.51
2200	19.68	28.35	16.38	9.55	1.32	0.80	20.14	9.09	3.63
2400	18.80	27.91	14.96	10.94	1.41	0.85	19.41	8.34	3.67
2600	17.92	27.50	13.53	12.77	1.50	0.90	19.25	7.89	3.76
2800	17.06	27.32	12.28	14.78	1.62	0.94	18.12	7.34	3.94
3000	16.20	26.98	11.27	16.42	1.71	0.96	17.27	6.83	3.93
3200	15.33	26.86	10.26	16.32	1.83	0.99	16.95	6.35	3.94
3400	14.46	26.78	9.49	14.71	1.94	0.99	15.92	5.72	4.03
3600	13.58	26.71	8.81	12.61	2.05	0.99	14.48	5.07	4.08
3800	12.69	26.70	8.30	10.80	2.16	0.97	13.86	4.28	4.12
4000	11.84	26.75	7.92	9.40	2.28	0.95	12.25	3.59	4.28

## Typical Performance Data

### Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.25V, Icc = 41mA @ Temperature = -45°C

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability		IP-3 Output (dBm)	1dB Comp. Output (dBm)	Noise Figure (dB)
					K	Measure			
10	32.04	37.68	11.94	16.28	1.13	0.77	25.01	12.75	2.70
20	32.34	37.40	12.86	22.21	1.12	0.74	26.33	13.35	2.51
30	32.44	37.16	13.23	27.31	1.11	0.71	26.64	13.26	2.53
40	32.49	37.21	13.51	33.07	1.11	0.71	26.30	13.59	2.57
50	32.51	37.19	13.65	35.93	1.11	0.71	26.89	13.69	2.55
60	32.51	36.97	13.75	34.13	1.10	0.69	26.18	13.45	2.52
70	32.52	37.13	13.88	30.37	1.11	0.70	26.99	13.60	2.53
80	32.52	37.04	13.88	27.66	1.10	0.69	26.09	13.76	2.57
90	32.49	37.02	14.08	25.48	1.10	0.69	26.11	13.64	2.58
100	32.48	37.02	13.99	23.86	1.10	0.69	26.85	13.65	2.60
200	32.10	36.81	14.72	16.00	1.09	0.68	25.53	13.74	2.78
250	31.82	36.76	15.22	13.89	1.09	0.68	25.33	13.67	2.85
300	31.52	36.70	15.76	12.37	1.09	0.68	25.56	13.62	2.94
350	31.20	36.46	16.03	11.23	1.08	0.67	24.70	13.68	2.99
400	30.84	36.35	16.50	10.25	1.07	0.67	25.50	13.48	3.03
450	30.48	36.09	16.91	9.51	1.06	0.66	24.52	13.55	3.06
500	30.12	35.85	17.24	8.78	1.05	0.65	25.17	13.70	3.12
550	29.76	35.67	17.73	8.33	1.05	0.64	25.27	13.43	3.16
600	29.39	35.43	18.08	7.89	1.04	0.64	24.96	13.47	3.22
650	29.04	35.21	18.46	7.53	1.04	0.63	24.75	13.46	3.22
700	28.68	35.02	18.82	7.22	1.03	0.62	25.08	13.45	3.24
750	28.33	34.93	19.20	7.02	1.04	0.63	24.82	13.30	3.24
800	27.95	34.59	19.72	6.86	1.04	0.62	24.60	13.46	3.18
850	27.62	34.37	20.04	6.68	1.04	0.62	24.33	13.31	3.24
900	27.28	34.10	20.38	6.60	1.04	0.61	24.15	13.38	3.22
950	26.96	33.82	20.59	6.52	1.04	0.61	24.47	13.03	3.30
1000	26.63	33.56	21.06	6.44	1.04	0.61	24.61	13.09	3.23
1050	26.28	33.35	21.78	6.42	1.05	0.61	24.26	13.07	3.23
1100	25.97	32.99	21.97	6.40	1.05	0.61	24.05	13.08	3.27
1150	25.65	32.94	22.61	6.42	1.07	0.62	23.63	13.20	3.31
1200	25.36	32.57	22.87	6.47	1.07	0.62	23.93	12.98	3.32
1250	25.06	32.46	23.16	6.52	1.09	0.63	23.57	12.87	3.34
1300	24.77	32.18	23.27	6.59	1.09	0.63	23.66	12.86	3.35
1350	24.48	32.01	23.72	6.68	1.11	0.64	23.56	12.83	3.34
1400	24.19	31.80	24.07	6.75	1.12	0.64	23.34	12.52	3.33
1450	23.91	31.57	24.15	6.85	1.13	0.65	23.08	12.52	3.38
1500	23.64	31.34	24.07	6.97	1.15	0.66	23.17	12.26	3.34
1550	23.38	31.10	23.96	7.14	1.16	0.66	22.95	12.26	3.40
1600	23.11	30.96	23.69	7.26	1.18	0.67	22.99	12.00	3.43
1650	22.86	30.76	23.39	7.37	1.19	0.68	22.50	11.73	3.45
1700	22.60	30.59	23.17	7.56	1.20	0.69	22.47	11.60	3.45
1750	22.35	30.38	22.56	7.71	1.22	0.70	21.97	11.57	3.58
1800	22.11	30.24	22.14	7.85	1.23	0.71	22.00	11.20	3.49
1850	21.86	30.10	21.81	8.03	1.25	0.72	21.94	11.08	3.54
1900	21.64	29.85	21.20	8.22	1.26	0.72	21.68	11.01	3.52
1950	21.41	29.70	20.59	8.39	1.27	0.73	21.91	10.83	3.58
2000	21.17	29.53	20.15	8.61	1.29	0.74	21.39	10.73	3.50
2200	20.28	28.94	18.34	9.49	1.35	0.78	20.80	10.22	3.61
2400	19.43	28.34	16.32	10.49	1.41	0.81	19.90	9.37	3.66
2600	18.60	27.96	14.65	11.52	1.48	0.85	19.82	8.80	3.81
2800	17.78	27.55	13.10	12.59	1.55	0.89	18.64	8.20	3.87
3000	16.94	27.18	11.89	13.30	1.62	0.91	17.70	7.58	3.94
3200	16.10	26.98	10.60	13.42	1.70	0.94	17.34	7.19	3.94
3400	15.24	26.89	9.67	12.78	1.80	0.95	16.30	6.44	4.06
3600	14.37	26.73	8.93	11.72	1.89	0.96	14.88	5.67	4.08
3800	13.46	26.64	8.35	10.52	1.99	0.95	14.22	5.07	4.15
4000	12.59	26.65	7.86	9.29	2.09	0.94	12.55	4.35	4.26



## 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, Icc = 36mA @ 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)
10	30.30	36.40	9.43	19.20	1.16	0.83	26.57	12.09	3.46
20	30.54	36.02	9.79	18.97	1.13	0.77	26.96	12.56	3.15
30	30.63	36.10	9.95	18.69	1.14	0.76	26.01	12.47	3.16
40	30.68	35.86	10.08	18.15	1.12	0.74	25.91	12.75	3.23
50	30.70	35.96	10.13	18.04	1.12	0.74	26.06	12.79	3.23
60	30.70	35.84	10.20	17.65	1.12	0.73	25.20	12.59	3.15
70	30.69	35.83	10.24	17.36	1.12	0.73	26.04	12.74	3.19
80	30.68	35.88	10.22	16.87	1.12	0.73	25.42	12.84	3.23
90	30.66	35.93	10.34	16.61	1.12	0.73	25.72	12.74	3.22
100	30.65	35.82	10.29	16.46	1.11	0.73	25.36	12.71	3.25
200	30.28	35.80	10.76	13.64	1.12	0.73	24.50	12.64	3.42
250	30.03	35.52	11.13	12.46	1.10	0.72	24.90	12.56	3.51
300	29.75	35.44	11.55	11.45	1.10	0.72	24.28	12.50	3.64
350	29.48	35.22	11.79	10.62	1.08	0.71	24.20	12.50	3.69
400	29.15	35.08	12.14	9.80	1.07	0.71	23.90	12.35	3.73
450	28.83	34.97	12.47	9.15	1.07	0.70	23.55	12.26	3.76
500	28.52	34.73	12.73	8.49	1.05	0.69	23.56	12.50	3.83
550	28.18	34.49	13.07	8.09	1.04	0.68	23.72	12.23	3.87
600	27.85	34.41	13.34	7.68	1.04	0.68	23.80	12.33	3.97
650	27.53	34.05	13.58	7.37	1.02	0.67	23.16	12.21	3.95
700	27.20	33.97	13.83	7.06	1.02	0.67	23.31	12.20	3.98
750	26.87	33.66	14.06	6.88	1.01	0.66	23.32	12.06	3.99
800	26.52	33.40	14.39	6.70	1.01	0.66	23.40	12.18	3.94
850	26.20	33.16	14.58	6.54	1.01	0.65	22.91	12.00	3.98
900	25.88	32.95	14.86	6.47	1.01	0.65	22.81	12.11	3.97
950	25.57	32.56	15.03	6.42	1.00	0.65	23.03	11.72	4.02
1000	25.25	32.44	15.34	6.35	1.01	0.65	22.74	11.80	3.99
1050	24.93	32.25	15.72	6.35	1.03	0.65	22.65	11.79	3.99
1100	24.62	31.95	15.83	6.34	1.02	0.65	22.46	11.78	4.06
1150	24.31	31.80	16.17	6.37	1.04	0.66	22.26	11.78	4.11
1200	24.02	31.48	16.39	6.44	1.04	0.66	22.19	11.44	4.06
1250	23.72	31.30	16.57	6.53	1.06	0.67	21.98	11.43	4.12
1300	23.44	31.07	16.77	6.60	1.07	0.67	21.99	11.35	4.13
1350	23.16	30.97	16.93	6.74	1.10	0.69	21.62	11.32	4.13
1400	22.87	30.67	17.21	6.85	1.10	0.69	21.46	10.98	4.12
1450	22.60	30.47	17.44	6.97	1.12	0.70	21.18	10.89	4.14
1500	22.33	30.34	17.54	7.14	1.14	0.71	21.25	10.69	4.14
1550	22.07	30.13	17.66	7.32	1.16	0.72	21.04	10.58	4.19
1600	21.80	29.98	17.73	7.47	1.18	0.72	20.96	10.30	4.23
1650	21.54	29.78	17.82	7.62	1.19	0.73	20.46	10.02	4.25
1700	21.29	29.56	17.92	7.82	1.21	0.74	20.32	9.81	4.24
1750	21.04	29.48	17.86	8.06	1.24	0.75	19.97	9.78	4.30
1800	20.79	29.28	17.79	8.25	1.25	0.76	19.93	9.51	4.27
1850	20.55	29.08	17.75	8.47	1.26	0.77	19.88	9.35	4.39
1900	20.31	28.97	17.63	8.73	1.29	0.78	19.61	9.19	4.31
1950	20.08	28.77	17.37	8.94	1.30	0.79	19.59	8.97	4.29
2000	19.84	28.62	17.18	9.21	1.32	0.80	19.03	8.78	4.32
2200	18.93	28.08	16.32	10.42	1.41	0.84	18.38	8.37	4.44
2400	18.05	27.67	15.01	11.80	1.50	0.88	17.53	7.48	4.50
2600	17.17	27.24	13.75	13.32	1.59	0.91	17.23	7.03	4.60
2800	16.28	26.95	12.54	15.05	1.69	0.95	16.12	6.31	4.76
3000	15.37	26.74	11.60	16.39	1.82	0.97	15.11	5.60	4.82
3200	14.46	26.63	10.58	16.67	1.95	1.00	14.73	5.21	4.82
3400	13.54	26.54	9.83	15.72	2.09	1.01	13.63	4.51	4.89
3600	12.63	26.52	9.22	14.20	2.25	1.01	12.17	3.93	4.99
3800	11.71	26.57	8.78	12.62	2.44	1.01	11.36	2.98	5.06
4000	10.86	26.62	8.38	11.15	2.60	1.00	9.98	2.48	5.21

## 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 = 4.75V, Icc = 30mA @ Temperature = +85°C

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability		IP-3 Output (dBm)	1dB Comp. Output (dBm)	Noise Figure (dB)
					K	Measure			
10	29.70	36.30	9.03	17.06	1.20	0.84	22.95	11.16	3.51
20	29.96	35.94	9.34	15.96	1.16	0.78	24.48	11.69	3.16
30	30.04	35.93	9.46	15.42	1.16	0.77	24.87	11.65	3.19
40	30.08	35.80	9.63	15.21	1.15	0.75	24.84	11.80	3.25
50	30.11	35.78	9.65	14.96	1.15	0.74	25.34	11.80	3.24
60	30.12	35.75	9.81	14.75	1.15	0.73	24.36	11.60	3.18
70	30.12	35.77	9.81	14.67	1.15	0.74	24.40	11.86	3.19
80	30.11	35.64	9.77	14.45	1.14	0.73	24.26	11.89	3.25
90	30.09	35.68	9.89	14.34	1.14	0.73	24.37	11.81	3.22
100	30.07	35.65	9.94	14.16	1.14	0.72	24.74	11.78	3.22
200	29.74	35.51	10.37	12.75	1.13	0.73	23.58	11.66	3.43
250	29.50	35.31	10.72	12.12	1.13	0.73	23.24	11.49	3.52
300	29.23	35.33	10.99	11.38	1.13	0.74	23.07	11.45	3.64
350	28.97	35.06	11.27	10.78	1.11	0.73	22.74	11.49	3.70
400	28.67	34.88	11.69	10.15	1.11	0.73	22.61	11.25	3.76
450	28.36	34.72	11.99	9.57	1.10	0.72	22.39	11.03	3.77
500	28.06	34.55	12.33	9.15	1.09	0.72	22.56	11.27	3.82
550	27.74	34.37	12.60	8.73	1.09	0.72	22.54	11.20	3.88
600	27.44	34.18	12.84	8.30	1.08	0.71	22.33	11.05	3.95
650	27.13	33.86	13.22	8.00	1.06	0.70	22.19	10.83	3.97
700	26.81	33.68	13.42	7.74	1.06	0.70	22.09	10.96	3.98
750	26.49	33.43	13.72	7.50	1.06	0.69	21.92	10.85	4.01
800	26.19	33.19	13.93	7.29	1.05	0.69	22.15	11.15	3.94
850	25.87	32.95	14.23	7.11	1.05	0.68	21.90	10.81	3.98
900	25.56	32.68	14.44	6.98	1.04	0.68	21.87	11.11	4.00
950	25.26	32.49	14.72	6.83	1.04	0.68	21.85	10.58	4.07
1000	24.96	32.30	15.01	6.74	1.05	0.68	21.88	10.59	4.00
1050	24.66	32.06	15.35	6.69	1.05	0.67	21.63	10.57	4.01
1100	24.38	31.74	15.45	6.61	1.04	0.67	21.58	10.69	4.06
1150	24.09	31.61	15.71	6.59	1.05	0.68	21.56	10.61	4.06
1200	23.81	31.38	15.94	6.56	1.06	0.67	21.45	10.39	4.08
1250	23.53	31.19	16.10	6.62	1.07	0.68	21.26	10.53	4.09
1300	23.26	30.95	16.25	6.62	1.07	0.68	21.16	10.47	4.14
1350	23.00	30.73	16.44	6.67	1.08	0.68	21.08	10.47	4.14
1400	22.73	30.53	16.65	6.75	1.09	0.69	20.70	10.12	4.12
1450	22.48	30.34	16.64	6.82	1.10	0.70	20.46	10.19	4.14
1500	22.22	30.20	16.81	6.90	1.11	0.70	20.44	9.87	4.16
1550	21.97	29.93	16.89	7.01	1.12	0.71	20.42	9.78	4.19
1600	21.73	29.81	16.93	7.15	1.14	0.72	20.14	9.59	4.22
1650	21.49	29.57	16.91	7.27	1.15	0.72	19.80	9.45	4.22
1700	21.24	29.44	16.89	7.43	1.17	0.73	19.69	9.14	4.24
1750	21.00	29.27	16.73	7.63	1.18	0.74	19.24	9.00	4.30
1800	20.76	29.09	16.69	7.82	1.20	0.75	19.30	8.73	4.28
1850	20.52	28.96	16.63	8.02	1.22	0.76	19.15	8.68	4.38
1900	20.30	28.79	16.35	8.24	1.23	0.77	18.98	8.65	4.28
1950	20.07	28.67	16.23	8.51	1.26	0.78	18.85	8.31	4.32
2000	19.83	28.49	16.01	8.78	1.27	0.80	18.35	8.14	4.31
2200	18.92	27.97	15.15	10.02	1.36	0.84	17.71	7.74	4.40
2400	18.02	27.57	14.05	11.67	1.46	0.89	16.93	6.84	4.46
2600	17.12	27.31	12.96	13.91	1.59	0.93	16.58	6.41	4.56
2800	16.23	27.03	11.87	16.67	1.71	0.97	15.47	5.82	4.74
3000	15.32	26.82	11.01	19.05	1.84	1.00	14.49	5.32	4.79
3200	14.42	26.70	10.20	18.62	1.97	1.01	14.12	4.84	4.79
3400	13.53	26.64	9.52	16.28	2.11	1.02	13.05	4.04	4.89
3600	12.64	26.60	8.98	13.86	2.25	1.01	11.78	3.35	4.96
3800	11.76	26.59	8.57	11.96	2.40	1.00	11.00	2.74	5.01
4000	10.95	26.58	8.24	10.52	2.53	0.99	9.70	2.15	5.16



## Typical Performance Data

### Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.25V, Icc = 42mA @ Temperature = +85°C

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability		IP-3 Output (dBm)	1dB Comp. Output (dBm)	Noise Figure (dB)
					K	Measure			
10	30.94	36.82	10.31	20.17	1.15	0.81	28.51	12.47	3.46
20	31.19	36.39	10.78	22.85	1.12	0.76	26.07	12.98	3.15
30	31.29	36.25	10.95	23.43	1.11	0.74	26.32	12.85	3.15
40	31.33	36.38	11.14	22.87	1.12	0.74	26.32	13.36	3.24
50	31.34	36.30	11.19	22.59	1.11	0.73	27.40	13.48	3.22
60	31.35	36.33	11.29	21.85	1.12	0.73	25.55	13.18	3.16
70	31.34	36.36	11.35	21.12	1.12	0.73	26.76	13.29	3.16
80	31.33	36.39	11.31	20.33	1.12	0.73	26.03	13.37	3.23
90	31.31	36.22	11.45	19.70	1.11	0.72	26.53	13.33	3.21
100	31.29	36.17	11.38	19.26	1.11	0.71	26.74	13.09	3.22
200	30.89	36.17	11.87	14.74	1.11	0.72	25.69	13.15	3.42
250	30.61	35.97	12.25	13.20	1.10	0.71	25.29	12.34	3.50
300	30.32	35.80	12.68	11.95	1.09	0.71	25.31	12.46	3.62
350	30.02	35.66	12.94	10.95	1.08	0.71	25.36	12.53	3.70
400	29.67	35.51	13.29	10.06	1.08	0.70	25.36	12.54	3.71
450	29.32	35.48	13.61	9.37	1.08	0.70	24.87	12.51	3.77
500	28.98	35.33	13.91	8.64	1.07	0.70	24.91	13.07	3.80
550	28.63	35.09	14.24	8.19	1.06	0.69	24.67	12.37	3.88
600	28.27	34.82	14.49	7.78	1.05	0.68	24.42	12.58	3.96
650	27.92	34.53	14.77	7.45	1.04	0.67	24.48	12.63	3.93
700	27.57	34.26	15.05	7.15	1.03	0.66	24.30	12.58	3.98
750	27.23	34.22	15.28	6.98	1.04	0.67	24.46	12.41	3.97
800	26.85	33.94	15.65	6.83	1.05	0.66	23.90	12.41	3.94
850	26.53	33.67	15.87	6.63	1.04	0.65	23.74	12.62	3.96
900	26.19	33.45	16.13	6.57	1.04	0.66	23.44	12.55	3.98
950	25.86	33.17	16.33	6.52	1.04	0.65	23.74	12.31	3.98
1000	25.53	33.01	16.65	6.45	1.05	0.66	23.77	12.19	3.96
1050	25.19	32.72	17.06	6.44	1.06	0.66	23.44	12.39	3.98
1100	24.88	32.55	17.22	6.43	1.07	0.66	23.03	12.39	4.07
1150	24.56	32.22	17.54	6.48	1.07	0.66	22.91	12.27	4.08
1200	24.26	32.05	17.77	6.55	1.09	0.67	22.84	12.02	4.08
1250	23.96	31.73	18.00	6.62	1.09	0.67	22.45	12.01	4.10
1300	23.66	31.53	18.21	6.68	1.11	0.67	22.40	11.89	4.13
1350	23.37	31.35	18.41	6.84	1.13	0.68	22.32	11.75	4.11
1400	23.08	31.12	18.75	6.94	1.14	0.69	22.14	11.51	4.11
1450	22.80	30.92	18.83	7.07	1.16	0.70	21.79	11.41	4.16
1500	22.53	30.71	18.92	7.21	1.17	0.71	21.89	11.21	4.12
1550	22.26	30.58	19.03	7.40	1.20	0.72	21.79	10.98	4.18
1600	21.99	30.40	19.08	7.56	1.22	0.73	21.50	10.71	4.23
1650	21.74	30.19	19.12	7.70	1.23	0.73	21.05	10.52	4.24
1700	21.48	30.00	19.18	7.89	1.25	0.74	20.91	10.32	4.24
1750	21.22	29.82	19.15	8.11	1.27	0.75	20.47	10.27	4.34
1800	20.97	29.65	18.97	8.28	1.28	0.76	20.56	10.01	4.28
1850	20.72	29.46	18.94	8.51	1.30	0.77	20.44	9.74	4.41
1900	20.49	29.35	18.73	8.76	1.33	0.78	20.10	9.69	4.30
1950	20.26	29.18	18.43	8.98	1.34	0.79	20.27	9.46	4.32
2000	20.02	29.02	18.17	9.22	1.36	0.80	19.60	9.38	4.32
2200	19.11	28.44	17.19	10.33	1.44	0.83	19.05	8.74	4.41
2400	18.23	27.95	15.64	11.64	1.52	0.87	18.09	7.85	4.49
2600	17.35	27.56	14.27	13.07	1.62	0.90	17.85	7.41	4.55
2800	16.47	27.18	12.94	14.65	1.71	0.94	16.68	6.67	4.74
3000	15.56	26.93	11.88	15.73	1.82	0.96	15.69	6.07	4.88
3200	14.64	26.80	10.76	15.89	1.95	0.99	15.24	5.46	4.86
3400	13.72	26.75	9.96	15.01	2.10	1.00	14.08	4.87	4.96
3600	12.81	26.70	9.33	13.59	2.25	1.00	12.62	4.05	5.01
3800	11.89	26.69	8.87	12.18	2.42	1.00	11.85	3.32	5.08
4000	11.02	26.72	8.47	10.81	2.58	0.99	10.45	2.70	5.23