

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: VDD= 4.75V, IDD = 63mA @ 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)
2000	17.23	46.96	28.32	11.83	14.30	0.94	28.32	16.20	4.03
2500	17.19	48.36	28.33	13.99	17.34	0.96	27.90	15.92	3.77
3000	17.06	48.53	28.25	15.61	18.21	0.97	27.55	15.78	3.46
3500	17.02	47.27	28.58	16.41	15.90	0.98	27.35	15.64	3.29
4000	17.17	46.92	25.40	17.12	15.03	0.98	27.36	15.60	3.07
4500	17.17	46.24	23.71	17.21	13.88	0.98	27.46	15.46	2.72
5000	17.18	45.88	22.28	16.93	13.26	0.98	27.46	15.50	2.48
5500	17.15	45.53	21.62	16.48	12.74	0.98	27.40	15.66	2.23
6000	17.20	45.04	20.56	16.28	11.96	0.98	27.21	15.45	1.94
6500	17.19	45.25	19.96	16.19	12.25	0.98	27.28	15.69	1.80
7000	17.21	45.08	20.08	16.46	12.00	0.98	27.25	15.57	1.61
7500	17.23	45.24	21.01	17.43	12.27	0.99	27.44	15.56	1.54
8000	17.23	45.16	22.60	19.62	12.27	0.99	27.51	15.48	1.42
8500	17.20	44.93	24.73	24.41	12.11	1.00	27.44	15.41	1.39
9000	17.13	44.58	22.01	34.53	11.73	1.00	27.17	15.21	1.32
9500	17.01	44.15	18.45	23.36	11.19	1.01	27.21	15.32	1.28
10000	16.86	43.61	15.52	18.09	10.44	1.01	26.89	15.04	1.28
10500	16.72	42.97	13.93	15.61	9.63	1.01	26.63	14.71	1.32
11000	16.64	42.23	13.21	14.62	8.80	1.01	26.66	14.82	1.41
11500	16.59	41.47	13.28	14.79	8.09	1.01	26.61	14.72	1.45
12000	16.61	40.67	13.95	16.10	7.48	1.01	26.26	14.62	1.57
12500	16.65	39.90	15.74	18.67	7.00	1.01	26.90	14.81	1.49
13000	16.70	39.21	18.47	22.07	6.58	1.00	26.84	14.65	1.59
13500	16.75	38.57	22.23	21.79	6.14	0.99	26.68	14.75	1.60
14000	16.80	38.02	22.02	18.94	5.68	0.99	26.70	14.74	1.63
14500	16.84	37.51	19.99	17.35	5.29	0.98	26.43	14.72	1.71
15000	16.87	37.08	17.36	17.30	4.98	0.99	26.66	14.72	1.72
15500	16.86	36.71	15.61	18.40	4.77	1.00	27.26	14.70	1.74
16000	16.81	36.38	13.89	20.17	4.59	1.02	26.74	14.24	1.76
16500	16.74	36.04	12.81	21.79	4.41	1.03	26.62	14.28	1.80
17000	16.67	35.70	12.10	21.62	4.24	1.04	26.57	14.18	1.87
17500	16.63	35.27	11.96	19.52	4.04	1.03	26.59	13.76	1.90
18000	16.59	34.79	11.98	17.12	3.82	1.02	26.61	13.79	1.88
18500	16.57	34.26	12.34	15.03	3.57	1.01	26.17	13.72	1.98
19000	16.55	33.72	12.49	13.58	3.30	1.00	25.84	13.49	1.98
19500	16.50	33.20	13.01	12.64	3.09	0.99	25.82	13.57	2.06
20000	16.46	32.68	12.94	12.11	2.93	0.97	25.25	13.37	2.05
20500	16.38	32.24	13.39	11.84	2.88	0.94	24.92	13.21	2.16
21000	16.34	31.81	13.07	11.89	2.78	0.93	24.98	13.34	2.23
21500	16.37	31.37	12.88	12.08	2.61	0.95	24.93	13.28	2.34
22000	16.45	30.94	12.24	12.26	2.40	0.97	24.87	13.22	2.48
22500	16.56	30.46	11.47	12.32	2.20	0.99	24.80	13.12	2.57
23000	16.66	30.01	10.92	12.46	2.08	0.99	24.31	12.86	2.67
23500	16.78	29.56	10.65	13.25	2.02	0.98	24.16	12.94	2.71
24000	16.90	29.11	11.25	14.97	1.98	0.96	23.61	12.33	2.88
24500	16.92	28.78	12.12	16.91	1.96	0.96	23.20	11.92	3.07
25000	16.81	28.57	12.96	15.67	1.95	0.94	23.63	12.05	3.18
25500	16.55	28.50	12.84	12.62	1.95	0.90	23.23	11.74	3.33
26000	16.23	28.43	12.34	10.44	1.93	0.87	23.16	11.78	3.38
26500	15.88	28.34	11.89	8.96	1.83	0.88	23.24	11.53	3.46
27000	15.51	28.16	11.17	7.84	1.67	0.89	22.24	11.22	3.54
27500	15.18	27.95	9.98	6.78	1.55	0.87	22.06	11.28	3.65
28000	14.89	27.80	8.90	5.95	1.57	0.78	22.04	11.15	3.91
28500	14.81	27.49	8.32	5.66	1.63	0.70	21.07	10.99	4.14
29000	15.05	26.88	8.98	6.05	1.57	0.70	20.38	10.65	4.26
29500	15.54	26.04	11.14	7.52	1.46	0.78	19.78	10.37	4.40
30000	15.93	25.30	16.94	10.21	1.47	0.81	19.92	10.49	4.40

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: VDD = 5.00V, IDD = 64mA @ 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)
2000	17.25	47.02	28.20	11.77	14.35	0.93	28.60	16.49	4.02
2500	17.21	48.47	28.08	13.91	17.52	0.96	28.04	16.19	3.76
3000	17.08	48.68	28.06	15.51	18.46	0.97	27.67	16.05	3.49
3500	17.04	47.45	28.28	16.30	16.17	0.98	27.59	15.90	3.29
4000	17.19	47.11	25.23	17.00	15.31	0.98	27.54	15.86	3.06
4500	17.19	46.39	23.54	17.09	14.08	0.98	27.71	15.74	2.74
5000	17.20	46.09	22.12	16.80	13.56	0.98	27.71	15.78	2.47
5500	17.17	45.73	21.50	16.35	13.01	0.98	27.68	15.92	2.17
6000	17.22	45.27	20.42	16.15	12.24	0.98	27.51	15.71	1.95
6500	17.21	45.47	19.85	16.06	12.52	0.98	27.58	15.95	1.75
7000	17.23	45.29	20.00	16.32	12.25	0.98	27.53	15.82	1.65
7500	17.25	45.49	20.89	17.28	12.58	0.99	27.71	15.83	1.52
8000	17.24	45.39	22.47	19.44	12.57	0.99	27.80	15.76	1.38
8500	17.22	45.16	24.55	24.18	12.40	1.00	27.65	15.68	1.34
9000	17.15	44.75	21.89	35.30	11.93	1.00	27.47	15.51	1.28
9500	17.03	44.28	18.34	23.52	11.33	1.01	27.44	15.60	1.28
10000	16.88	43.71	15.44	18.10	10.53	1.01	27.06	15.30	1.27
10500	16.74	43.04	13.87	15.58	9.69	1.01	26.94	14.99	1.31
11000	16.65	42.30	13.14	14.57	8.84	1.01	26.94	15.08	1.40
11500	16.61	41.52	13.22	14.72	8.12	1.01	26.86	14.97	1.47
12000	16.62	40.72	13.89	16.02	7.50	1.01	26.42	14.89	1.54
12500	16.66	39.95	15.71	18.57	7.02	1.01	27.18	15.08	1.53
13000	16.71	39.24	18.41	21.90	6.60	1.00	27.09	14.92	1.53
13500	16.76	38.62	22.14	21.59	6.16	0.99	26.85	15.01	1.58
14000	16.81	38.08	22.03	18.77	5.71	0.99	26.87	14.99	1.57
14500	16.85	37.58	19.96	17.21	5.32	0.98	26.65	15.00	1.71
15000	16.88	37.15	17.34	17.16	5.01	0.99	26.85	15.02	1.76
15500	16.87	36.78	15.56	18.29	4.80	1.00	27.49	15.01	1.77
16000	16.82	36.45	13.83	20.19	4.61	1.02	26.95	14.59	1.77
16500	16.75	36.12	12.73	22.02	4.44	1.03	26.80	14.60	1.76
17000	16.68	35.76	12.01	21.89	4.26	1.04	26.87	14.48	1.88
17500	16.64	35.34	11.86	19.61	4.07	1.03	26.83	14.09	1.92
18000	16.60	34.86	11.89	17.12	3.84	1.02	26.97	14.11	1.91
18500	16.57	34.33	12.24	14.99	3.59	1.01	26.58	14.04	1.95
19000	16.55	33.79	12.42	13.53	3.32	1.00	26.18	13.80	2.06
19500	16.50	33.26	12.93	12.58	3.11	0.99	26.21	13.86	2.05
20000	16.46	32.75	12.90	12.05	2.95	0.97	25.50	13.69	2.04
20500	16.38	32.32	13.36	11.79	2.90	0.94	25.19	13.52	2.14
21000	16.34	31.89	13.07	11.86	2.80	0.93	25.33	13.62	2.21
21500	16.37	31.46	12.90	12.06	2.64	0.95	25.21	13.57	2.30
22000	16.45	31.04	12.27	12.26	2.43	0.98	25.25	13.52	2.50
22500	16.56	30.57	11.50	12.36	2.23	0.99	25.08	13.42	2.57
23000	16.66	30.12	10.92	12.53	2.11	0.99	24.56	13.19	2.66
23500	16.78	29.67	10.62	13.35	2.04	0.98	24.45	13.26	2.78
24000	16.89	29.24	11.16	15.09	2.01	0.97	23.85	12.69	2.89
24500	16.90	28.92	11.96	16.94	1.99	0.96	23.48	12.31	3.07
25000	16.79	28.72	12.79	15.60	1.98	0.94	23.92	12.44	3.21
25500	16.52	28.64	12.73	12.57	1.98	0.91	23.56	12.13	3.33
26000	16.21	28.58	12.31	10.41	1.96	0.88	23.51	12.17	3.36
26500	15.85	28.48	11.92	8.94	1.86	0.88	23.56	11.89	3.48
27000	15.49	28.31	11.22	7.83	1.70	0.89	22.60	11.59	3.55
27500	15.17	28.09	10.05	6.78	1.58	0.87	22.26	11.62	3.64
28000	14.88	27.94	9.00	5.97	1.60	0.78	22.21	11.48	3.93
28500	14.80	27.64	8.41	5.70	1.66	0.70	21.34	11.28	4.14
29000	15.02	27.04	9.06	6.10	1.60	0.71	20.56	10.95	4.30
29500	15.49	26.25	11.16	7.57	1.50	0.78	19.98	10.77	4.39
30000	15.85	25.55	16.53	10.21	1.52	0.82	20.07	10.99	4.51

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: VDD = 5.25V, IDD = 65mA @ 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)
2000	17.27	47.12	28.02	11.72	14.49	0.93	28.86	16.78	4.04
2500	17.23	48.59	27.94	13.84	17.71	0.96	28.31	16.46	3.79
3000	17.09	48.86	27.90	15.42	18.80	0.97	27.95	16.37	3.51
3500	17.06	47.57	28.02	16.19	16.36	0.98	27.75	16.21	3.30
4000	17.21	47.24	25.06	16.88	15.52	0.98	27.80	16.11	3.00
4500	17.21	46.54	23.40	16.96	14.29	0.98	28.02	16.02	2.73
5000	17.21	46.24	21.98	16.68	13.76	0.98	27.92	16.06	2.48
5500	17.18	45.89	21.36	16.23	13.21	0.98	27.92	16.20	2.19
6000	17.23	45.44	20.34	16.03	12.46	0.98	27.66	15.98	1.98
6500	17.22	45.67	19.77	15.94	12.79	0.98	27.77	16.19	1.80
7000	17.24	45.51	19.93	16.19	12.55	0.98	27.74	16.07	1.57
7500	17.26	45.69	20.82	17.14	12.84	0.99	27.91	16.10	1.50
8000	17.26	45.60	22.40	19.27	12.85	0.99	28.01	16.04	1.42
8500	17.23	45.32	24.39	23.95	12.61	1.00	27.92	15.98	1.35
9000	17.16	44.88	21.77	35.99	12.10	1.00	27.71	15.80	1.31
9500	17.04	44.39	18.28	23.68	11.46	1.01	27.71	15.88	1.29
10000	16.89	43.80	15.38	18.12	10.63	1.01	27.35	15.55	1.29
10500	16.75	43.11	13.82	15.55	9.75	1.01	27.18	15.27	1.31
11000	16.66	42.37	13.10	14.52	8.90	1.01	27.19	15.34	1.40
11500	16.61	41.56	13.18	14.66	8.14	1.01	27.04	15.23	1.41
12000	16.63	40.77	13.87	15.95	7.53	1.01	26.67	15.16	1.51
12500	16.66	39.99	15.65	18.48	7.05	1.01	27.34	15.35	1.53
13000	16.71	39.28	18.36	21.74	6.62	1.00	27.26	15.19	1.53
13500	16.76	38.67	22.06	21.40	6.19	0.99	27.14	15.27	1.63
14000	16.81	38.13	22.05	18.62	5.74	0.99	27.16	15.24	1.60
14500	16.85	37.63	19.94	17.07	5.34	0.98	26.86	15.28	1.70
15000	16.88	37.21	17.33	17.03	5.04	0.99	27.13	15.33	1.70
15500	16.87	36.84	15.54	18.19	4.83	1.00	27.68	15.32	1.72
16000	16.83	36.50	13.78	20.20	4.64	1.02	27.31	14.92	1.81
16500	16.76	36.18	12.66	22.24	4.47	1.03	27.09	14.92	1.81
17000	16.68	35.83	11.93	22.15	4.29	1.04	27.18	14.80	1.76
17500	16.64	35.40	11.77	19.71	4.09	1.04	27.17	14.43	1.87
18000	16.59	34.92	11.81	17.11	3.87	1.02	27.23	14.41	1.94
18500	16.57	34.40	12.15	14.95	3.62	1.01	26.82	14.35	1.98
19000	16.54	33.85	12.35	13.48	3.34	1.00	26.54	14.11	2.00
19500	16.50	33.33	12.87	12.53	3.13	0.99	26.51	14.15	2.03
20000	16.45	32.82	12.86	12.00	2.97	0.97	25.82	13.99	2.03
20500	16.37	32.39	13.32	11.74	2.92	0.94	25.52	13.83	2.17
21000	16.33	31.97	13.07	11.82	2.83	0.93	25.52	13.91	2.26
21500	16.36	31.55	12.91	12.04	2.66	0.95	25.43	13.87	2.32
22000	16.44	31.13	12.29	12.27	2.46	0.98	25.46	13.81	2.47
22500	16.55	30.66	11.51	12.39	2.26	1.00	25.37	13.72	2.52
23000	16.64	30.22	10.92	12.60	2.14	0.99	24.88	13.52	2.68
23500	16.75	29.78	10.59	13.45	2.07	0.99	24.68	13.59	2.74
24000	16.86	29.36	11.09	15.20	2.04	0.97	24.15	13.06	2.87
24500	16.86	29.06	11.82	16.97	2.02	0.97	23.79	12.71	3.02
25000	16.74	28.86	12.62	15.52	2.01	0.95	24.19	12.83	3.20
25500	16.48	28.79	12.63	12.51	2.02	0.91	23.87	12.53	3.35
26000	16.17	28.72	12.30	10.37	1.99	0.88	23.81	12.56	3.41
26500	15.81	28.62	11.97	8.92	1.89	0.88	23.78	12.24	3.50
27000	15.45	28.44	11.30	7.82	1.73	0.89	22.83	11.96	3.54
27500	15.14	28.23	10.14	6.79	1.62	0.86	22.68	11.94	3.62
28000	14.85	28.08	9.09	5.99	1.64	0.78	22.42	11.78	3.86
28500	14.77	27.80	8.50	5.74	1.70	0.71	21.64	11.58	4.08
29000	14.98	27.21	9.15	6.16	1.64	0.71	20.84	11.30	4.21
29500	15.41	26.45	11.19	7.63	1.54	0.79	20.15	11.12	4.38
30000	15.74	25.80	16.28	10.20	1.57	0.83	20.31	11.38	4.48

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)
 Gain(Power Gain) = S21 (dB)
 Reverse Isolation = -S12 (dB)
 Output Return Loss = -S22 (dB)

TEST CONDITIONS: VDD = 4.75V, IDD =63mA @ 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)
2000	18.05	46.95	27.73	11.70	12.98	0.93	28.79	16.31	3.17
2500	18.04	48.41	27.16	14.03	15.82	0.96	28.22	16.02	2.95
3000	17.91	48.67	26.88	15.73	16.79	0.97	27.84	15.89	2.69
3500	17.87	47.49	27.41	16.55	14.80	0.98	27.63	15.68	2.53
4000	18.04	47.16	24.83	17.66	14.01	0.98	27.59	15.67	2.33
4500	18.05	46.53	23.58	17.91	13.01	0.99	27.77	15.54	2.05
5000	18.06	46.17	21.33	17.67	12.42	0.99	27.78	15.58	1.78
5500	18.05	45.89	20.92	17.08	12.01	0.99	27.74	15.75	1.57
6000	18.12	45.33	19.66	16.67	11.12	0.99	27.53	15.51	1.32
6500	18.11	45.55	19.21	16.28	11.40	0.98	27.65	15.79	1.17
7000	18.16	45.45	19.69	16.43	11.22	0.99	27.51	15.66	0.99
7500	18.20	45.63	20.70	17.36	11.46	0.99	27.76	15.67	0.94
8000	18.22	45.51	22.84	19.51	11.40	0.99	27.82	15.58	0.77
8500	18.21	45.22	24.29	24.21	11.15	1.00	27.73	15.52	0.72
9000	18.17	44.88	21.88	32.49	10.77	1.00	27.56	15.31	0.68
9500	18.08	44.40	17.96	23.40	10.17	1.01	27.53	15.46	0.65
10000	17.95	43.79	15.03	18.02	9.38	1.01	27.26	15.19	0.62
10500	17.83	43.11	13.35	15.43	8.57	1.01	27.02	14.79	0.63
11000	17.75	42.36	12.55	14.33	7.78	1.01	27.05	14.95	0.71
11500	17.71	41.59	12.45	14.25	7.11	1.02	27.03	14.85	0.75
12000	17.74	40.80	12.98	15.40	6.56	1.02	26.65	14.72	0.78
12500	17.80	39.97	14.44	17.76	6.10	1.02	27.34	14.97	0.75
13000	17.87	39.24	17.12	21.74	5.75	1.00	27.30	14.82	0.79
13500	17.94	38.62	20.83	22.39	5.38	0.99	27.10	14.95	0.83
14000	18.00	38.05	22.04	18.74	4.97	0.98	27.16	14.92	0.75
14500	18.04	37.55	19.27	16.55	4.61	0.98	26.88	14.93	0.87
15000	18.07	37.12	16.75	16.14	4.34	0.98	27.11	14.93	0.91
15500	18.07	36.75	14.75	17.03	4.14	1.00	27.84	14.95	0.88
16000	18.04	36.40	13.17	18.67	3.96	1.01	27.21	14.50	0.90
16500	18.00	36.07	11.93	20.40	3.80	1.03	27.08	14.58	0.93
17000	17.96	35.70	11.39	20.83	3.64	1.04	27.22	14.46	0.95
17500	17.92	35.28	11.32	19.48	3.47	1.04	27.26	14.03	0.99
18000	17.91	34.79	11.31	17.08	3.27	1.02	27.20	14.06	1.02
18500	17.89	34.25	11.58	15.05	3.04	1.01	26.85	14.00	1.05
19000	17.89	33.70	11.73	13.34	2.79	1.00	26.59	13.77	1.07
19500	17.87	33.14	11.92	12.34	2.58	0.99	26.55	13.89	1.09
20000	17.83	32.61	12.13	11.69	2.46	0.97	25.91	13.67	1.04
20500	17.78	32.13	12.36	11.49	2.42	0.93	25.57	13.50	1.13
21000	17.72	31.72	12.62	11.49	2.36	0.92	25.57	13.64	1.21
21500	17.74	31.30	12.43	11.78	2.22	0.94	25.55	13.59	1.28
22000	17.81	30.85	11.88	11.82	2.02	0.97	25.51	13.50	1.38
22500	17.91	30.40	11.18	11.60	1.86	0.98	25.42	13.45	1.48
23000	18.04	29.99	10.43	11.53	1.77	0.97	24.96	13.25	1.53
23500	18.18	29.51	10.05	12.14	1.72	0.94	24.81	13.36	1.65
24000	18.33	29.04	10.40	13.84	1.69	0.93	24.41	12.75	1.69
24500	18.43	28.66	11.22	16.58	1.66	0.93	24.00	12.28	1.89
25000	18.36	28.46	12.21	16.67	1.66	0.92	24.39	12.39	1.98
25500	18.14	28.35	12.24	13.20	1.66	0.88	24.03	11.99	2.12
26000	17.84	28.27	11.82	10.40	1.62	0.84	24.00	12.05	2.16
26500	17.47	28.18	11.34	8.58	1.50	0.85	24.05	11.82	2.26
27000	17.10	27.95	10.77	7.38	1.33	0.87	22.88	11.50	2.35
27500	16.79	27.69	9.46	6.34	1.23	0.83	22.71	11.59	2.44
28000	16.50	27.51	8.34	5.45	1.28	0.71	22.67	11.40	2.65
28500	16.39	27.24	7.53	4.97	1.35	0.59	21.65	11.27	2.91
29000	16.59	26.66	8.01	5.15	1.27	0.59	20.95	10.91	3.00
29500	17.15	25.78	9.84	6.48	1.13	0.71	20.26	10.53	3.12
30000	17.70	24.90	15.15	9.55	1.18	0.75	20.25	10.82	3.35

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: VDD = 5.00V, IDD = 65mA @ 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)
2000	18.09	47.03	27.52	11.65	13.03	0.93	29.14	16.64	3.16
2500	18.08	48.53	27.02	13.98	15.96	0.96	28.61	16.35	2.95
3000	17.95	48.77	26.63	15.66	16.89	0.97	28.31	16.20	2.72
3500	17.91	47.62	27.03	16.47	14.94	0.98	28.02	16.02	2.52
4000	18.09	47.31	24.59	17.58	14.18	0.98	28.01	16.01	2.31
4500	18.09	46.68	23.41	17.83	13.17	0.99	28.19	15.89	2.04
5000	18.10	46.32	21.18	17.59	12.57	0.99	28.19	15.93	1.80
5500	18.08	46.04	20.76	17.01	12.16	0.99	28.18	16.09	1.46
6000	18.16	45.51	19.57	16.58	11.31	0.99	27.93	15.85	1.31
6500	18.15	45.75	19.10	16.19	11.61	0.98	27.96	16.11	1.11
7000	18.20	45.64	19.60	16.32	11.41	0.98	27.94	16.00	0.98
7500	18.24	45.83	20.64	17.25	11.67	0.99	28.22	16.01	0.87
8000	18.25	45.68	22.76	19.38	11.58	0.99	28.36	15.94	0.82
8500	18.25	45.41	24.10	24.05	11.33	1.00	28.10	15.87	0.77
9000	18.21	45.02	21.78	32.90	10.90	1.00	27.99	15.68	0.69
9500	18.11	44.48	17.90	23.53	10.21	1.01	28.04	15.81	0.68
10000	17.99	43.86	14.98	18.03	9.41	1.01	27.65	15.53	0.62
10500	17.86	43.17	13.30	15.40	8.59	1.01	27.45	15.16	0.64
11000	17.78	42.42	12.52	14.28	7.80	1.01	27.46	15.29	0.73
11500	17.74	41.65	12.41	14.19	7.12	1.02	27.42	15.19	0.76
12000	17.77	40.84	12.95	15.32	6.56	1.02	27.00	15.09	0.78
12500	17.83	40.00	14.40	17.67	6.10	1.02	27.76	15.34	0.80
13000	17.90	39.29	17.05	21.61	5.76	1.00	27.69	15.19	0.77
13500	17.97	38.66	20.74	22.23	5.39	0.99	27.52	15.30	0.82
14000	18.03	38.10	22.01	18.61	4.98	0.98	27.61	15.28	0.85
14500	18.07	37.60	19.26	16.42	4.62	0.98	27.22	15.31	0.87
15000	18.10	37.17	16.75	16.02	4.35	0.98	27.48	15.32	0.92
15500	18.10	36.81	14.73	16.93	4.16	1.00	28.21	15.35	0.88
16000	18.07	36.46	13.14	18.65	3.98	1.01	27.57	14.94	0.92
16500	18.03	36.13	11.87	20.53	3.81	1.03	27.51	14.99	0.91
17000	17.98	35.76	11.32	21.03	3.64	1.04	27.58	14.86	0.96
17500	17.95	35.34	11.24	19.58	3.48	1.04	27.73	14.46	0.92
18000	17.93	34.84	11.24	17.08	3.28	1.03	27.71	14.48	0.98
18500	17.91	34.32	11.50	15.01	3.06	1.01	27.33	14.41	1.02
19000	17.91	33.76	11.67	13.28	2.80	1.00	27.05	14.19	1.07
19500	17.89	33.21	11.86	12.28	2.59	0.99	26.97	14.28	1.06
20000	17.85	32.68	12.10	11.63	2.47	0.97	26.35	14.10	1.10
20500	17.79	32.21	12.35	11.44	2.43	0.93	26.06	13.92	1.17
21000	17.74	31.80	12.63	11.44	2.38	0.92	26.10	14.03	1.22
21500	17.76	31.39	12.46	11.75	2.23	0.94	26.03	13.99	1.30
22000	17.83	30.93	11.91	11.80	2.03	0.97	26.00	13.90	1.40
22500	17.93	30.49	11.22	11.61	1.88	0.98	25.91	13.87	1.44
23000	18.06	30.09	10.46	11.56	1.78	0.97	25.37	13.68	1.56
23500	18.20	29.62	10.06	12.21	1.74	0.95	25.22	13.78	1.65
24000	18.34	29.18	10.36	13.95	1.71	0.94	24.78	13.22	1.72
24500	18.43	28.80	11.10	16.68	1.68	0.94	24.38	12.70	1.86
25000	18.34	28.61	12.03	16.59	1.68	0.92	24.74	12.87	2.00
25500	18.12	28.50	12.10	13.11	1.68	0.88	24.45	12.49	2.14
26000	17.83	28.42	11.77	10.33	1.64	0.85	24.50	12.53	2.19
26500	17.46	28.31	11.35	8.52	1.51	0.85	24.53	12.26	2.24
27000	17.10	28.08	10.81	7.34	1.34	0.87	23.47	11.90	2.32
27500	16.80	27.83	9.54	6.32	1.25	0.83	23.18	11.98	2.41
28000	16.52	27.64	8.44	5.45	1.30	0.71	23.04	11.82	2.65
28500	16.41	27.36	7.66	4.99	1.36	0.59	21.96	11.59	2.90
29000	16.60	26.81	8.15	5.19	1.29	0.60	21.20	11.24	3.03
29500	17.13	25.96	9.99	6.56	1.16	0.72	20.39	11.00	3.15
30000	17.64	25.14	15.06	9.64	1.21	0.76	20.35	11.25	3.31

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: VDD = 5.25V, IDD = 67mA @ 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)
2000	18.12	47.06	27.35	11.60	13.00	0.93	29.61	17.01	3.16
2500	18.11	48.62	26.76	13.93	16.06	0.96	29.08	16.69	2.94
3000	17.98	48.91	26.41	15.61	17.09	0.97	28.60	16.53	2.70
3500	17.94	47.78	26.78	16.43	15.16	0.98	28.41	16.34	2.52
4000	18.11	47.47	24.33	17.53	14.39	0.98	28.40	16.34	2.29
4500	18.11	46.84	23.18	17.77	13.38	0.99	28.59	16.24	2.01
5000	18.12	46.50	21.02	17.52	12.78	0.99	28.62	16.29	1.76
5500	18.11	46.20	20.63	16.94	12.34	0.99	28.59	16.42	1.50
6000	18.18	45.70	19.47	16.51	11.52	0.99	28.35	16.20	1.32
6500	18.17	45.97	19.01	16.09	11.87	0.98	28.45	16.44	1.17
7000	18.22	45.86	19.53	16.21	11.67	0.98	28.33	16.32	1.00
7500	18.26	46.06	20.57	17.12	11.95	0.99	28.55	16.35	0.90
8000	18.27	45.90	22.64	19.23	11.83	0.99	28.62	16.29	0.82
8500	18.27	45.58	23.99	23.89	11.53	1.00	28.62	16.22	0.72
9000	18.23	45.15	21.67	33.19	11.03	1.00	28.49	16.04	0.68
9500	18.13	44.59	17.83	23.64	10.33	1.01	28.37	16.15	0.68
10000	18.00	43.98	14.93	18.04	9.53	1.01	28.06	15.83	0.59
10500	17.88	43.25	13.26	15.37	8.64	1.01	27.85	15.51	0.66
11000	17.80	42.48	12.49	14.23	7.83	1.01	27.94	15.62	0.72
11500	17.76	41.68	12.38	14.12	7.13	1.02	27.75	15.50	0.71
12000	17.78	40.89	12.91	15.24	6.58	1.02	27.33	15.43	0.80
12500	17.84	40.06	14.36	17.57	6.13	1.02	28.10	15.69	0.76
13000	17.91	39.35	17.01	21.49	5.79	1.00	28.10	15.53	0.77
13500	17.98	38.72	20.68	22.14	5.42	0.99	27.87	15.63	0.84
14000	18.03	38.17	22.02	18.51	5.02	0.98	27.98	15.61	0.83
14500	18.07	37.67	19.27	16.30	4.65	0.98	27.59	15.65	0.87
15000	18.10	37.25	16.73	15.88	4.38	0.98	27.90	15.69	0.89
15500	18.10	36.90	14.71	16.80	4.19	1.00	28.50	15.74	0.88
16000	18.08	36.54	13.09	18.58	4.01	1.01	28.00	15.35	0.90
16500	18.03	36.21	11.83	20.59	3.84	1.04	27.95	15.37	0.92
17000	17.99	35.84	11.25	21.21	3.68	1.04	27.97	15.24	0.94
17500	17.95	35.44	11.17	19.70	3.52	1.04	28.13	14.87	0.96
18000	17.93	34.92	11.16	17.10	3.30	1.03	28.35	14.86	1.00
18500	17.91	34.40	11.43	14.98	3.08	1.01	27.88	14.80	1.02
19000	17.91	33.85	11.60	13.24	2.82	1.01	27.49	14.58	1.11
19500	17.89	33.29	11.82	12.22	2.61	0.99	27.37	14.65	1.07
20000	17.85	32.77	12.06	11.57	2.50	0.96	26.95	14.48	1.08
20500	17.79	32.30	12.33	11.37	2.46	0.93	26.46	14.29	1.15
21000	17.74	31.90	12.64	11.40	2.40	0.92	26.46	14.37	1.21
21500	17.76	31.49	12.48	11.73	2.25	0.94	26.36	14.36	1.31
22000	17.83	31.04	11.95	11.80	2.06	0.97	26.32	14.27	1.40
22500	17.93	30.62	11.25	11.64	1.90	0.98	26.25	14.23	1.46
23000	18.05	30.23	10.49	11.61	1.81	0.97	25.73	14.08	1.53
23500	18.19	29.76	10.07	12.27	1.77	0.95	25.54	14.16	1.66
24000	18.32	29.33	10.32	14.05	1.74	0.94	25.10	13.64	1.73
24500	18.40	28.97	11.00	16.77	1.71	0.95	24.74	13.20	1.93
25000	18.31	28.78	11.87	16.55	1.71	0.93	25.10	13.34	2.02
25500	18.09	28.67	11.96	13.06	1.71	0.89	24.86	12.95	2.10
26000	17.80	28.58	11.72	10.30	1.66	0.85	24.96	13.02	2.22
26500	17.43	28.47	11.37	8.50	1.54	0.86	24.98	12.70	2.24
27000	17.07	28.23	10.89	7.31	1.37	0.87	23.89	12.37	2.38
27500	16.78	27.99	9.63	6.30	1.28	0.83	23.58	12.39	2.44
28000	16.50	27.79	8.56	5.45	1.32	0.71	23.32	12.18	2.65
28500	16.40	27.52	7.78	5.01	1.39	0.60	22.38	11.94	2.90
29000	16.59	27.00	8.28	5.25	1.31	0.61	21.42	11.72	3.04
29500	17.09	26.18	10.11	6.65	1.20	0.73	20.49	11.38	3.14
30000	17.55	25.42	14.90	9.72	1.25	0.77	20.51	11.78	3.23

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: VDD = 4.75V, IDD = 63mA @ 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)
2000	16.67	46.80	27.60	11.94	15.00	0.94	28.06	16.21	4.71
2500	16.63	48.14	27.76	14.06	18.05	0.96	27.59	15.94	4.41
3000	16.51	48.22	27.58	15.67	18.72	0.97	27.22	15.81	4.12
3500	16.48	46.95	28.14	16.40	16.29	0.98	27.08	15.67	3.87
4000	16.63	46.54	25.00	16.88	15.30	0.98	27.09	15.64	3.56
4500	16.63	45.81	23.55	16.74	14.05	0.98	27.26	15.46	3.24
5000	16.64	45.46	21.75	16.40	13.41	0.98	27.20	15.48	3.01
5500	16.61	45.10	21.51	16.01	12.87	0.98	27.19	15.71	2.71
6000	16.66	44.57	20.22	15.88	12.01	0.98	26.96	15.50	2.52
6500	16.64	44.71	19.56	15.91	12.24	0.98	27.13	15.70	2.33
7000	16.66	44.61	19.70	16.30	12.09	0.98	27.03	15.59	2.12
7500	16.68	44.73	20.21	17.43	12.30	0.99	27.22	15.52	2.02
8000	16.67	44.62	22.17	19.79	12.29	0.99	27.28	15.42	1.91
8500	16.63	44.40	23.67	25.03	12.15	1.00	27.19	15.36	1.82
9000	16.56	44.08	21.52	38.29	11.82	1.01	26.99	15.14	1.83
9500	16.43	43.64	18.01	23.15	11.26	1.01	26.98	15.29	1.77
10000	16.28	43.10	15.24	17.98	10.51	1.01	26.59	14.97	1.84
10500	16.14	42.44	13.72	15.65	9.68	1.01	26.33	14.64	1.86
11000	16.06	41.72	12.99	14.86	8.86	1.01	26.41	14.79	1.98
11500	16.03	40.94	13.03	15.24	8.14	1.02	26.29	14.70	2.06
12000	16.04	40.15	13.68	16.79	7.53	1.02	25.93	14.56	2.11
12500	16.08	39.37	15.44	19.48	7.03	1.01	26.65	14.78	2.13
13000	16.11	38.68	18.22	22.29	6.62	1.00	26.51	14.57	2.22
13500	16.16	38.09	21.64	21.47	6.20	0.99	26.34	14.66	2.26
14000	16.22	37.53	22.30	19.12	5.75	0.99	26.32	14.69	2.28
14500	16.26	37.01	19.65	17.91	5.34	0.99	26.12	14.63	2.35
15000	16.31	36.55	17.10	18.07	5.01	0.99	26.34	14.61	2.36
15500	16.29	36.19	15.00	19.58	4.79	1.01	26.89	14.58	2.42
16000	16.24	35.83	13.36	21.77	4.58	1.03	26.44	14.13	2.46
16500	16.15	35.52	12.24	23.36	4.42	1.04	26.23	14.18	2.46
17000	16.07	35.16	11.69	22.14	4.24	1.05	26.11	14.10	2.52
17500	16.00	34.76	11.72	19.37	4.08	1.04	26.12	13.69	2.59
18000	15.96	34.28	11.80	16.97	3.87	1.02	26.15	13.71	2.59
18500	15.92	33.76	12.16	15.10	3.63	1.01	25.77	13.68	2.67
19000	15.90	33.22	12.28	13.81	3.36	1.00	25.49	13.40	2.71
19500	15.85	32.70	12.40	12.97	3.13	1.00	25.49	13.44	2.76
20000	15.78	32.22	12.43	12.43	2.99	0.98	24.85	13.26	2.83
20500	15.68	31.80	12.51	12.11	2.94	0.96	24.44	13.05	2.92
21000	15.61	31.41	12.47	12.04	2.87	0.95	24.65	13.15	3.04
21500	15.63	31.02	12.21	12.29	2.72	0.96	24.53	13.07	3.15
22000	15.72	30.54	11.61	12.65	2.49	0.99	24.58	13.04	3.25
22500	15.81	30.06	11.04	12.99	2.29	1.01	24.44	12.95	3.42
23000	15.92	29.63	10.43	13.51	2.16	1.02	23.95	12.69	3.49
23500	16.00	29.18	10.38	14.49	2.10	1.01	23.82	12.74	3.60
24000	16.06	28.77	10.93	16.12	2.07	0.99	23.31	12.18	3.71
24500	16.03	28.47	11.81	17.02	2.05	0.98	22.90	11.85	3.84
25000	15.85	28.33	12.57	15.07	2.07	0.95	23.30	11.95	4.05
25500	15.57	28.26	12.48	12.51	2.09	0.92	22.93	11.71	4.16
26000	15.24	28.21	12.13	10.63	2.08	0.89	22.83	11.72	4.22
26500	14.86	28.17	11.55	9.19	2.00	0.89	22.82	11.42	4.38
27000	14.48	28.03	10.64	8.02	1.83	0.92	21.86	11.11	4.46
27500	14.16	27.84	9.35	7.01	1.69	0.90	21.65	11.09	4.64
28000	13.88	27.68	8.36	6.34	1.70	0.84	21.69	10.91	4.84
28500	13.83	27.34	8.15	6.24	1.79	0.77	20.81	10.65	5.10
29000	14.05	26.74	9.19	6.84	1.77	0.76	20.08	10.32	5.19
29500	14.46	26.00	12.00	8.44	1.71	0.81	19.78	10.13	5.27
30000	14.67	25.42	17.45	10.60	1.71	0.83	20.02	10.26	5.38

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: VDD = 5.00V, IDD = 64mA @ 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)
2000	16.68	46.87	27.43	11.88	15.10	0.94	28.29	16.45	4.71
2500	16.64	48.29	27.57	13.98	18.33	0.96	27.86	16.17	4.40
3000	16.52	48.44	27.52	15.57	19.15	0.97	27.58	16.04	4.12
3500	16.50	47.09	27.94	16.29	16.53	0.98	27.34	15.89	3.88
4000	16.64	46.68	24.87	16.75	15.52	0.98	27.28	15.88	3.63
4500	16.64	46.00	23.42	16.62	14.31	0.98	27.45	15.79	3.31
5000	16.65	45.66	21.66	16.28	13.68	0.98	27.44	15.82	3.03
5500	16.62	45.29	21.44	15.89	13.14	0.98	27.42	15.94	2.78
6000	16.67	44.80	20.15	15.76	12.31	0.98	27.17	15.74	2.47
6500	16.65	44.93	19.51	15.79	12.52	0.98	27.31	15.94	2.34
7000	16.67	44.84	19.61	16.16	12.38	0.98	27.26	15.80	2.16
7500	16.68	44.96	20.13	17.28	12.61	0.99	27.44	15.83	2.02
8000	16.68	44.85	22.08	19.60	12.61	0.99	27.49	15.67	1.87
8500	16.64	44.61	23.51	24.74	12.43	1.00	27.39	15.70	1.93
9000	16.57	44.29	21.39	39.76	12.09	1.01	27.16	15.40	1.83
9500	16.44	43.81	17.94	23.30	11.46	1.01	27.19	15.56	1.81
10000	16.28	43.24	15.20	18.00	10.67	1.01	26.83	15.28	1.80
10500	16.15	42.55	13.67	15.62	9.79	1.01	26.59	14.89	1.86
11000	16.06	41.81	12.97	14.81	8.95	1.01	26.62	15.02	1.95
11500	16.03	41.02	13.00	15.17	8.21	1.02	26.49	14.90	2.01
12000	16.04	40.23	13.66	16.71	7.59	1.02	26.20	14.89	2.12
12500	16.08	39.43	15.42	19.37	7.08	1.01	26.80	15.01	2.11
13000	16.11	38.75	18.21	22.12	6.67	1.00	26.65	14.82	2.17
13500	16.16	38.16	21.63	21.28	6.25	0.99	26.54	14.96	2.22
14000	16.21	37.61	22.32	18.96	5.80	0.99	26.53	14.91	2.31
14500	16.26	37.09	19.67	17.75	5.38	0.99	26.34	14.95	2.38
15000	16.30	36.64	17.10	17.91	5.06	0.99	26.58	14.89	2.41
15500	16.29	36.26	15.01	19.45	4.83	1.01	27.12	14.87	2.40
16000	16.24	35.92	13.34	21.80	4.63	1.03	26.63	14.44	2.44
16500	16.15	35.60	12.21	23.65	4.46	1.04	26.52	14.46	2.51
17000	16.06	35.24	11.63	22.40	4.28	1.05	26.49	14.37	2.51
17500	15.99	34.85	11.66	19.45	4.12	1.04	26.43	13.99	2.57
18000	15.95	34.37	11.74	16.97	3.91	1.02	26.40	13.98	2.65
18500	15.91	33.85	12.10	15.07	3.66	1.01	26.08	13.94	2.65
19000	15.89	33.31	12.23	13.77	3.39	1.00	25.78	13.67	2.70
19500	15.84	32.79	12.37	12.93	3.16	1.00	25.72	13.69	2.77
20000	15.76	32.30	12.42	12.39	3.03	0.98	25.08	13.54	2.82
20500	15.66	31.89	12.52	12.07	2.97	0.96	24.82	13.33	2.94
21000	15.59	31.52	12.49	12.00	2.90	0.95	24.82	13.42	3.07
21500	15.62	31.13	12.23	12.27	2.75	0.96	24.78	13.34	3.19
22000	15.71	30.64	11.64	12.66	2.52	0.99	24.78	13.30	3.28
22500	15.80	30.17	11.08	13.03	2.33	1.01	24.65	13.20	3.38
23000	15.91	29.75	10.44	13.58	2.20	1.02	24.17	12.98	3.50
23500	15.98	29.30	10.36	14.58	2.13	1.01	24.05	13.02	3.60
24000	16.03	28.91	10.87	16.21	2.10	1.00	23.51	12.51	3.72
24500	16.00	28.61	11.69	17.04	2.09	0.98	23.15	12.22	3.91
25000	15.81	28.47	12.46	15.04	2.11	0.96	23.55	12.29	4.07
25500	15.54	28.41	12.42	12.50	2.12	0.92	23.17	12.07	4.17
26000	15.21	28.35	12.17	10.62	2.12	0.89	23.09	12.07	4.27
26500	14.83	28.31	11.61	9.19	2.04	0.90	22.96	11.74	4.36
27000	14.45	28.17	10.71	8.02	1.87	0.92	22.10	11.47	4.51
27500	14.13	27.99	9.42	7.02	1.73	0.90	21.92	11.38	4.66
28000	13.85	27.83	8.45	6.36	1.75	0.84	21.87	11.17	4.87
28500	13.79	27.50	8.22	6.27	1.82	0.77	20.99	10.95	5.09
29000	14.00	26.93	9.25	6.87	1.82	0.77	20.34	10.65	5.21
29500	14.39	26.20	11.99	8.46	1.75	0.82	19.98	10.49	5.25
30000	14.58	25.66	17.07	10.55	1.76	0.84	20.19	10.67	5.29

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: VDD = 5.25V, IDD = 65mA @ 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)
2000	16.70	46.97	27.38	11.83	15.22	0.94	28.36	16.66	4.71
2500	16.66	48.45	27.43	13.91	18.62	0.96	28.07	16.37	4.43
3000	16.54	48.58	27.31	15.48	19.42	0.97	27.73	16.20	4.12
3500	16.51	47.20	27.75	16.18	16.70	0.98	27.53	16.09	3.88
4000	16.65	46.87	24.68	16.64	15.84	0.98	27.51	16.06	3.57
4500	16.65	46.14	23.30	16.50	14.52	0.98	27.66	16.01	3.28
5000	16.66	45.84	21.54	16.17	13.94	0.98	27.63	16.05	3.00
5500	16.63	45.47	21.34	15.78	13.37	0.98	27.65	16.13	2.74
6000	16.68	44.99	20.06	15.64	12.55	0.98	27.44	15.94	2.53
6500	16.66	45.17	19.42	15.67	12.84	0.98	27.53	16.14	2.31
7000	16.69	45.09	19.53	16.04	12.72	0.98	27.48	16.00	2.13
7500	16.70	45.21	20.06	17.13	12.96	0.99	27.68	16.04	2.06
8000	16.69	45.09	21.95	19.43	12.93	0.99	27.78	15.99	1.92
8500	16.65	44.80	23.39	24.48	12.69	1.00	27.72	15.91	1.89
9000	16.58	44.41	21.31	41.25	12.25	1.01	27.43	15.66	1.83
9500	16.45	43.93	17.88	23.44	11.60	1.01	27.48	15.78	1.80
10000	16.29	43.32	15.15	18.01	10.76	1.01	27.08	15.50	1.80
10500	16.15	42.62	13.64	15.59	9.86	1.01	26.84	15.21	1.87
11000	16.06	41.87	12.93	14.76	9.00	1.01	26.86	15.22	1.97
11500	16.03	41.08	12.98	15.11	8.24	1.02	26.81	15.11	2.05
12000	16.04	40.29	13.64	16.63	7.63	1.02	26.41	15.11	2.12
12500	16.08	39.48	15.40	19.26	7.12	1.01	27.05	15.22	2.12
13000	16.12	38.82	18.17	21.96	6.72	1.00	26.99	15.13	2.15
13500	16.16	38.22	21.60	21.10	6.29	0.99	26.82	15.15	2.32
14000	16.21	37.67	22.30	18.80	5.83	0.99	26.81	15.09	2.26
14500	16.26	37.15	19.68	17.60	5.42	0.99	26.57	15.17	2.32
15000	16.30	36.70	17.10	17.76	5.09	0.99	26.87	15.18	2.45
15500	16.29	36.35	14.99	19.33	4.88	1.01	27.40	15.16	2.39
16000	16.24	35.99	13.30	21.80	4.67	1.03	26.94	14.75	2.46
16500	16.15	35.68	12.16	23.93	4.49	1.04	26.81	14.75	2.49
17000	16.07	35.32	11.58	22.65	4.31	1.05	26.65	14.65	2.53
17500	15.99	34.93	11.58	19.53	4.16	1.04	26.66	14.30	2.60
18000	15.94	34.44	11.67	16.96	3.93	1.02	26.85	14.28	2.61
18500	15.91	33.92	12.05	15.03	3.69	1.01	26.36	14.25	2.68
19000	15.88	33.38	12.18	13.73	3.41	1.00	26.10	13.96	2.69
19500	15.83	32.86	12.35	12.88	3.19	1.00	26.03	14.04	2.81
20000	15.75	32.39	12.39	12.34	3.06	0.98	25.37	13.82	2.82
20500	15.65	31.98	12.51	12.03	3.00	0.96	25.00	13.62	2.97
21000	15.58	31.60	12.50	11.97	2.93	0.95	25.11	13.75	3.08
21500	15.61	31.22	12.27	12.25	2.78	0.96	25.05	13.70	3.21
22000	15.70	30.74	11.68	12.66	2.55	0.99	25.12	13.65	3.30
22500	15.79	30.28	11.10	13.06	2.36	1.01	24.97	13.50	3.46
23000	15.89	29.86	10.46	13.64	2.23	1.02	24.45	13.29	3.52
23500	15.97	29.42	10.34	14.67	2.16	1.01	24.29	13.33	3.65
24000	16.01	29.04	10.80	16.31	2.13	1.00	23.78	12.85	3.77
24500	15.97	28.74	11.57	17.05	2.12	0.99	23.46	12.58	3.89
25000	15.78	28.61	12.34	15.00	2.14	0.96	23.90	12.64	4.04
25500	15.51	28.55	12.37	12.47	2.16	0.92	23.55	12.45	4.18
26000	15.18	28.49	12.18	10.60	2.16	0.89	23.42	12.41	4.26
26500	14.80	28.45	11.67	9.18	2.07	0.90	23.35	12.08	4.40
27000	14.42	28.29	10.78	8.02	1.90	0.91	22.40	11.77	4.55
27500	14.10	28.12	9.51	7.03	1.77	0.90	22.24	11.68	4.66
28000	13.83	27.97	8.52	6.38	1.78	0.84	22.01	11.40	4.89
28500	13.76	27.65	8.31	6.29	1.86	0.78	21.26	11.27	5.07
29000	13.96	27.10	9.30	6.90	1.86	0.77	20.59	10.96	5.21
29500	14.32	26.39	11.97	8.48	1.80	0.82	20.14	10.85	5.26
30000	14.51	25.89	16.73	10.52	1.81	0.85	20.53	11.07	5.29