

Table I

Base Current	Base Current Error	Collector Current	Collector Current Error	Gain	Gain Error
0.0036	0.0001	1.3	0.1	361.111	28.227
0.010	0.001	3.9	0.1	390.000	21.915
0.036	0.001	9.0	0.1	250.000	4.447
0.059	0.001	13.1	0.1	222.034	2.532
0.096	0.001	15.8	0.1	164.583	1.349
0.144	0.001	16	0.1	111.111	0.794
0.182	0.001	16.1	0.1	88.462	0.601
0.304	0.001	16.2	0.1	53.289	0.340
0.545	0.001	16.2	0.1	29.725	0.186
0.619	0.001	16.2	0.1	26.171	0.163
1.056	0.001	16.2	0.1	15.341	0.095
1.256	0.001	16.2	0.1	12.898	0.080
0.0053	0.0001	1.7	0.1	320.755	19.109
0.0075	0.0001	2.2	0.1	293.333	13.476
0.0086	0.0001	2.4	0.1	279.070	11.741
0.0101	0.0001	2.7	0.1	267.327	9.989
0.0114	0.0001	3.0	0.1	263.158	8.848
0.0121	0.0001	3.1	0.1	256.198	8.332
0.015	0.0001	3.7	0.1	246.667	6.717
0.0169	0.0001	4.1	0.1	242.604	5.961
0.0206	0.0001	4.9	0.1	237.864	4.889
0.0215	0.0001	4.1	0.1	190.698	4.672
0.024	0.0001	4.9	0.1	204.167	4.188
0.0336	0.0001	5.1	0.1	151.786	2.985
0.0532	0.0001	5.7	0.1	107.143	1.882
0.0699	0.0001	7.5	0.1	107.296	1.433
0.0841	0.0001	11.1	0.1	131.986	1.192
0.7692	0.0001	13.9	0.1	18.071	0.130
1.0283	0.0001	16.2	0.1	15.754	0.097

Table 2

Voltage	Error on Voltage	Base Current	Base Current Error	Collector Current	Collector Current Error
14.6	0.2	0.005	0.0001	1.2	0.1
14.4	0.2	0.0049	0.0001	1.6	0.1
13	0.2	0.0120	0.0001	3.1	0.1
12	0.2	0.0166	0.0001	4.1	0.1
10.8	0.2	0.0277	0.0001	5.4	0.1
6.81	0.2	0.0429	0.0001	9.4	0.1
4.33	0.2	0.0565	0.0001	11.9	0.1
2.1	0.2	0.072	0.0001	14.2	0.1
1.03	0.2	0.0816	0.0001	15.3	0.1
0.7	0.02	0.0892	0.0001	15.6	0.1
0.25	0.02	0.1306	0.0001	16.1	0.1
0.137	0.002	1.2313	0.0001	16.2	0.1

Table 3

Frequency	Inout Voltage	Error on Input Voltage	Output Voltage	Error on Output Voltage	Phase	Error on Phase
100	10	0.4	3.92	0.02	1.257	0.314
200	10	0.4	5.90	0.02		
300	10	0.4	7.2	0.02	0.848	0.188
400	10	0.4	8.16	0.02		
500	10	0.4	9.52	0.02	0.628	0.157
600	10	0.4	10.0	0.02		
700	10	0.4	9.44	0.02	0.528	0.088
800	10	0.4	9.58	0.02		
900	10	0.4	9.68	0.02		
1000	10	0.4	9.68	0.02	0.377	0.126
2000	10	0.4	9.84	0.02		
3000	10	0.4	10.2	0.02		
4000	10	0.4	10.3	0.02		
5000	10	0.4	10.3	0.02		
	Same		Ever		After	

Table 4

Input Voltage	Error on Input Voltage	Output Voltage	Error on Output Voltage
2.6	0.2	2.8	0.2
3.4	0.2	3.8	0.2
5.8	0.2	6.2	0.2
6.4	0.2	6.6	0.2
7.2	0.2	7.8	0.2
8	0.2	8.4	0.2
8.6	0.2	9.2	0.2
9.8	0.2	10.2	0.2
11	0.2	11.6	0.2
13	0.2	13.6	0.2
14.2	0.2	14.6	0.2
15.2	0.2	14.8	0.2
17.2	0.2	15	0.2
20.6	0.2	15.2	0.2

Table 5

Frequency	Input Voltage	Output Voltage Pk-pk	Error on Output Voltage Pk-pk	Output Voltage Max	Error On Output Voltage Max
0.2	1	10	0.2	12.6	0.2
0.5	1	12.4	0.2	13.6	0.2
0.7	1	12.6	0.2	13.8	0.2
1	1	12.6	0.2	13.8	0.2
2	1	12.8	0.2	14	0.2
3	1	12.8	0.2	14	0.2
4	1	12.8	0.2	14	0.2
5	1	12.8	0.2	14	0.2
6	1	12.8	0.2	14	0.2
7	1	12.6	0.2	13.8	0.2
8	1	12.6	0.2	13.8	0.2
9	1	12.6	0.2	13.8	0.2
10	1	13	0.2	14	0.2
11	1	13	0.2	14	0.2
12	1	13	0.2	14	0.2
13	1	12.8	0.2	13.8	0.2
14	1	12.8	0.2	13.8	0.2
15	1	12.6	0.2	13.8	0.2
20	1	12	0.2	13.4	0.2
30	1	10.8	0.2	12.8	0.2
40	1	9.4	0.2	12.2	0.2
50	1	8.4	0.2	11.6	0.2
60	1	7.6	0.2	11.2	0.2
70	1	6.8	0.2	11	0.2
80	1	6.2	0.2	10.6	0.2
90	1	5.6	0.2	10.4	0.2
100	1	5.2	0.2	10	0.2

Table 6

Frequency	Input Voltage	Output Voltage Pk-pk	Error on Output Voltage Pk-pk	Output Voltage Max	Error On Output Voltage Max
500	1.02	12.4	0.2	13.6	0.2
300	1.02	11.6	0.2	13.2	0.2
200	1.02	10.2	0.2	12.4	0.2
170	1.02	9.4	0.2	12.2	0.2
150	1.02	8.8	0.2	11.8	0.2
130	1.02	8.2	0.2	11.6	0.2
100	1.02	6.6	0.2	11	0.2
80	1.02	5.8	0.2	10.4	0.2
60	1.04	4.6	0.2	9.8	0.2
40	1.04	3.2	0.2	9.2	0.2
20	1.02	1.6	0.2	8.4	0.2

Table 7

Voltage on Gate	Error on Voltage on Gate	Current on Drain	Error on Current on Drain
-8	0.02	0.01	0.001
-1.75	0.02	0.01	0.001
-1.52	0.02	0.01	0.001
-1.46	0.02	0.011	0.001
-1.4	0.02	0.014	0.001
-1.26	0.02	0.05	0.001
-1.2	0.02	0.82	0.001
-1.08	0.02	0.192	0.001
0.940	0.02	0.379	0.001
-0.780	0.02	0.663	0.001
-0.640	0.02	0.984	0.001
-0.420	0.02	1.479	0.001
-0.200	0.02	2.073	0.001
-0.08	0.02	2.504	0.001
0.06	0.02	2.991	0.001
0.3	0.02	3.845	0.001
0.76	0.02	6.179	0.001
1.32	0.02	9.953	0.001

Table 8

Voltage on Drain	Error on Voltage on Drain	Current on Drain	Error on Current on Drain
0.008	0.004	0.01	0.001
0.04	0.004	0.112	0.001
0.08	0.004	0.221	0.001
0.132	0.004	0.364	0.001
0.184	0.004	0.516	0.001
0.256	0.004	0.696	0.001
0.348	0.004	0.932	0.001
0.496	0.004	1.251	0.001
0.728	0.004	1.709	0.001
1.1	0.02	2.196	0.001
1.32	0.02	2.405	0.001
1.8	0.02	2.646	0.001
2.6	0.02	2.786	0.001
3.36	0.02	2.834	0.001
5.2	0.02	2.885	0.001
6.8	0.02	2.905	0.001
10.2	0.02	2.920	0.001
12	0.02	2.934	0.001

Table 9

Voltage on Drain	Error on Voltage on Drain	Current on Drain	Error on Current on Drain
0.1	0.02	0.01	0.001
0.2	0.02	0.172	0.001
0.34	0.02	0.448	0.001
0.4	0.02	0.449	0.001
0.6	0.02	0.685	0.001
0.82	0.02	0.786	0.001
1	0.2	0.817	0.001
1.12	0.02	0.851	0.001
1.2	0.2	0.852	0.001
1.48	0.02	0.887	0.001
2.2	0.2	0.918	0.001
3.4	0.2	0.945	0.001
4.4	0.2	0.955	0.001
5	0.2	0.960	0.001
5.8	0.2	0.967	0.001
6.2	0.2	0.968	0.001
7.2	0.2	0.972	0.001
7.8	0.2	0.976	0.001
8.2	0.2	0.978	0.001
9.2	0.2	0.978	0.001
9.8	0.2	0.980	0.001
10.8	0.2	0.983	0.001
11.4	0.2	0.985	0.001
12	0.2	0.986	0.001
12.8	0.2	0.987	0.001
13.4	0.2	0.991	0.001
13.8	0.2	0.991	0.001

Table 10

Voltage on Gate	Error on Voltage on Gate	Voltage on Drain	Error on Voltage on Drain	Current on Drain	Error on Current on Drain
-1.6	0.02	15	0.2	0.01	0.001
-1.44	0.02	15	0.2	0.011	0.001
-1.28	0.02	14.8	0.2	0.037	0.001
-1.14	0.02	14.6	0.2	0.132	0.001
-1	0.02	14.6	0.2	0.303	0.001
-0.84	0.02	14.4	0.2	0.577	0.001
-0.68	0.02	14	0.2	0.908	0.001
-0.4	0.02	13.2	0.2	1.571	0.001
-0.08	0.02	12.4	0.2	2.499	0.001
0.08	0.02	11.8	0.2	3.036	0.001
0.26	0.02	11.4	0.2	3.622	0.001
0.4	0.02	10.6	0.2	4.212	0.001
0.68	0.02	9.6	0.2	5.423	0.001
0.78	0.02	8.8	0.2	6.095	0.001
-0.22	0.02	12.8	0.2	2.61	0.001