



Pt	Time	Freq	Zreal	Zimag	Zsig	Zmod	Zphz	Idc	Vdc	IERang	z"	cap
56169	s	Hz	ohm	ohm	V	ohm	°	A	V	#		
0	6	100007	0.10112	0.05215	1	0.113776	27.2812	-3.53E-05	2.26445	11	0.05215	3.05E-05
1	8	63105.5	0.079254	0.033862	1	0.086185	23.1347	1.53E-05	1.99951	11	0.033862	7.45E-05
2	10	39811.2	0.062927	0.021658	1	0.066549	18.9925	-0.000157	1.9995	11	0.021658	0.000185
3	14	25123.7	0.051387	0.011448	1	0.052647	12.5596	-4.03E-05	1.99939	11	0.011448	0.000554
4	18	15852.9	0.04481	0.002627	1	0.044887	3.35565	-0.000174	1.9994	11	0.002627	0.003824
5	22	9998.2	0.043236	-0.004677	1	0.043488	-6.17374	-5.11E-05	1.99935	11	0.004677	0.003405
6	26	6311.1	0.045305	-0.010948	1	0.046609	-13.5856	-7.97E-05	1.99931	11	0.010948	0.002305
7	30	3980.93	0.049384	-0.016515	1	0.052072	-18.4915	-7.71E-05	1.99928	11	0.016515	0.002422
8	34	2511.16	0.053461	-0.022064	1	0.057835	-22.4267	-8.07E-05	1.99924	11	0.022064	0.002874
9	38	1584.49	0.056342	-0.02974	1	0.063709	-27.8273	-9.31E-05	1.99923	11	0.02974	0.003379
10	43	999.95	0.058054	-0.04249	1	0.071942	-36.2011	-0.000097	1.99923	11	0.04249	0.003748
11	47	630.984	0.059155	-0.063801	1	0.087005	-47.1641	-0.00011	1.99923	11	0.063801	0.003955
12	49	398.209	0.060157	-0.098492	1	0.115411	-58.5841	5.50E-05	1.99929	11	0.098492	0.00406
13	51	251.185	0.061203	-0.154241	1	0.16594	-68.3567	0.000097	1.99928	11	0.154241	0.00411
14	53	158.533	0.062604	-0.24275	1	0.250693	-75.5388	6.03E-05	1.99929	11	0.24275	0.004138
15	55	100.009	0.065018	-0.383141	1	0.388618	-80.3689	-3.82E-05	1.99929	11	0.383141	0.004156
16	57	63.0971	0.069446	-0.605137	1	0.609109	-83.4533	-5.82E-05	1.9993	11	0.605137	0.00417
17	59	40.0059	0.078258	-0.95055	1	0.95377	-85.2935	-6.82E-05	1.99928	11	0.95055	0.004187
18	61	24.9911	0.096515	-1.51379	1	1.51687	-86.3519	-0.000111	1.99928	11	1.51379	0.004209
19	63	15.7934	0.133937	-2.37821	1	2.38197	-86.7766	-0.000114	1.99928	11	2.37821	0.004239
20	65	9.9987	0.203828	-3.73001	1	3.73557	-86.8722	-5.93E-05	1.99928	11	3.73001	0.00427
21	68	6.31623	0.318837	-5.84787	1	5.85656	-86.8792	1.68E-05	1.99928	11	5.84787	0.004311
22	70	3.97302	0.588837	-9.14547	1	9.16253	-86.5033	4.07E-05	1.99928	10	9.14547	0.004382
23	73	2.51085	1.07745	-14.1232	1	14.1643	-85.6374	-1.43E-05	1.99873	10	14.1232	0.00449
24	76	1.58325	1.84064	-21.7778	1	21.8554	-85.1689	-1.68E-06	1.99872	10	21.7778	0.004618
25	81	1.00006	2.96209	-33.4558	1	33.5866	-84.9404	-2.36E-06	1.99856	10	33.4558	0.004759
56170												
0	6	100007	0.104287	0.059225	1	0.119931	29.5922	-8.41E-06	2.26441	11	0.059225	2.69E-05
1	8	63105.5	0.080721	0.038482	1	0.089424	25.4884	-1.29E-04	1.99951	11	0.038482	6.56E-05
2	10	39811.2	0.063555	0.024787	1	0.068217	21.306	-6.32E-05	1.99942	11	0.024787	0.000161
3	14	25123.7	0.051318	0.013567	1	0.053081	14.8082	-9.70E-05	1.99939	11	0.013567	0.000467
4	18	15852.9	0.044244	0.003955	1	0.04442	5.10811	-0.000141	1.99936	11	0.003955	0.00254
5	22	9998.2	0.042236	-0.003839	1	0.04241	-5.19337	-6.83E-05	1.99935	11	0.003839	0.004149
6	26	6311.1	0.044073	-0.010338	1	0.045269	-13.2016	-1.00E-04	1.99929	11	0.010338	0.002441
7	30	3980.93	0.048019	-0.016063	1	0.050634	-18.4954	-7.58E-05	1.99926	11	0.016063	0.00249
8	34	2511.16	0.051991	-0.021784	1	0.05637	-22.733	-1.04E-04	1.99923	11	0.021784	0.002911
9	39	1584.49	0.054871	-0.029609	1	0.06235	-28.3518	-1.02E-04	1.99922	11	0.029609	0.003394
10	43	999.95	0.05662	-0.042437	1	0.070759	-36.8519	-1.05E-04	1.99921	11	0.042437	0.003752
11	47	630.984	0.057764	-0.063781	1	0.086605	-47.8341	-1.17E-04	1.99921	11	0.063781	0.003957
12	49	398.209	0.058787	-0.09848	1	0.114691	-59.1653	1.82E-05	1.99925	11	0.09848	0.004061
13	51	251.185	0.059805	-0.154218	1	0.165408	-68.8038	8.32E-05	1.99928	11	0.154218	0.004111
14	53	158.533	0.061192	-0.242735	1	0.250329	-75.8509	4.73E-05	1.99928	11	0.242735	0.004138
15	55	100.009	0.063556	-0.383224	1	0.388459	-80.5834	-4.40E-05	1.99927	11	0.383224	0.004155
16	57	63.0971	0.068049	-0.605048	1	0.608863	-83.583	-8.21E-05	1.99926	11	0.605048	0.004171
17	59	40.0059	0.076616	-0.95074	1	0.95382	-85.3928	-7.98E-05	1.99927	11	0.95074	0.004187
18	61	24.9911	0.095024	-1.51436	1	1.51734	-86.4095	-1.23E-04	1.99926	11	1.51436	0.004208
19	63	15.7934	0.133727	-2.38175	1	2.3855	-86.7864	-1.26E-04	1.99927	11	2.38175	0.004233
20	65	9.9987	0.207473	-3.73329	1	3.73905	-86.8191	-6.59E-05	1.99927	11	3.73329	0.004266
21	68	6.31623	0.3241	-5.86101	1	5.86996	-86.8349	-1.52E-06	1.99927	11	5.86101	0.004301
22	70	3.97302	0.57594	-9.19884	1	9.21685	-86.4174	3.92E-05	1.99926	10	9.19884	0.004357
23	73	2.51085	1.13712	-14.1485	1	14.1942	-85.405	-1.67E-05	1.99873	10	14.1485	0.004482
24	76	1.58325	2.00488	-21.7918	1	21.8838	-84.7435	-3.43E-06	1.99872	10	21.7918	0.004615
25	81	1.00006	3.33783	-33.3699	1	33.5364	-84.288	-3.90E-06	1.99853	10	33.3699	0.004772
60916												
0	5	100007	0.082512	0.025485	1	0.086358	17.1644	-4.63E-05	2.26449	11	0.025485	6.25E-05
1	7	63105.5	0.06722	0.01677	1	0.069281	14.008	-1.06E-04	1.99956	11	0.01677	0.00015
2	9	39811.2	0.055145	0.010761	1	0.056185	11.0417	-0.000108	1.99954	11	0.010761	0.000372
3	13	25123.7	0.045763	0.00447	1	0.045981	5.57868	-1.78E-04	1.99947	11	0.00447	0.001418
4	17	15852.9	0.040615	-0.001923	1	0.04066	-2.71017	-2.08E-04	1.99941	11	0.001923	0.005223
5	22	9998.2	0.039981	-0.00784	1	0.040742	-11.0949	-1.32E-04	1.99935	11	0.00784	0.002031
6	26	6311.1	0.042644	-0.013413	1	0.044704	-17.46	-1.05E-04	1.99929	11	0.013413	0.001881
7	30	3980.93	0.047171	-0.018726	1	0.050752	-21.6521	-1.09E-04	1.99924	11	0.018726	0.002136
8	34	2511.16	0.051704	-0.024249	1	0.057108	-25.1262	-1.00E-04	1.99921	11	0.024249	0.002615
9	38	1584.49	0.0549	-0.032063	1	0.063577	-30.2858	-1.08E-04	1.9992	11	0.032063	0.003134
10	42	999.95	0.056804	-0.045271	1	0.072637	-38.5538	-1.19E-04	1.9992	11	0.045271	0.003518
11	46	630.984	0.057935	-0.067621	1	0.089045	-49.4111	-1.13E-04	1.99919	11	0.067621	0.003732
12	48	398.209	0.058931	-0.104224	1	0.119731	-60.515	3.09E-06	1.99927	11	0.104224	0.003837
13	50	251.185	0.059966	-0.163184	1	0.173853	-69.8228	4.23E-05	1.99926	11	0.163184	0.003885
14	52	158.533	0.061414	-0.25689	1	0.264129	-76.5547	8.59E-06	1.99926	11	0.25689	0.00391
15	54	100.009	0.064	-0.405544	1	0.410563	-81.032	-7.54E-05	1.99926	11	0.405544	0.003926
16	56	63.0971	0.069176	-0.640406	1	0.644131	-83.8348	-1.10E-04	1.99923	11	0.640406	0.003941
17	58	40.0059	0.079163	-1.00571	1	1.00882	-85.4993	-1.02E-04	1.99925	11	1.00571	0.003958
18	61	24.9911	0.100797	-1.6013	1	1.60447	-86.3981	-1.28E-04	1.99925	11	1.6013	0.003979
19	63	15.7934	0.14019	-2.51682	1	2.52072	-86.8119	-1.38E-04	1.99924	11	2.51682	0.004006
20	65	9.9987	0.237485	-3.94187	1	3.94902	-86.5523	-7.46E-05	1.99924	11	3.94187	0.00404
21	68	6.31623	0.386499	-6.16499	1	6.17709	-86.4127	-3.33E-05	1.99925	11	6.16499	0.004089
22	70	3.97302	0.686877	-9.6209	1	9.6454	-85.9164	3.99E-05	1.99924	10	9.6209	0.004166
23	73	2.51085	1.31828	-14.84	1	14.8984	-84.9236	-1.51E-05	1.99871	10	14.84	0.004274
24	76	1.58325	2.31363	-22.7729	1	22.8901	-84.1989	-2.32E-06	1.9987	10	22.7729	0.004416
25	81	1.00006	3.7949	-34.7449	1	34.9516	-83.7668	-3.50E-06	1.99853	10	34.7449	0.004583

60918

0	5	100007	0.100009	0.052522	1	0.112962	27.7073	-5.69E-05	2.2644	11	0.052522	3.03E-05
1	7	63105.5	0.078038	0.034029	1	0.085134	23.5602	-4.61E-05	1.99952	11	0.034029	7.42E-05
2	9	39811.2	0.061745	0.021836	1	0.065493	19.4759	-5.53E-05	1.99949	11	0.021836	0.000183
3	13	25123.7	0.049946	0.011457	1	0.051243	12.9198	-3.60E-05	1.99943	11	0.011457	0.000553
4	17	15852.9	0.043162	0.002448	1	0.043231	3.24593	-0.00018	1.99938	11	0.002448	0.004103
5	21	9998.2	0.041531	-0.004988	1	0.04183	-6.84856	-5.96E-05	1.99935	11	0.004988	0.003193
6	25	6311.1	0.043663	-0.011422	1	0.045132	-14.6599	-8.74E-05	1.99929	11	0.011422	0.002209
7	30	3980.93	0.047874	-0.017228	1	0.05088	-19.7913	-1.16E-04	1.99926	11	0.017228	0.002322
8	34	2511.16	0.052287	-0.023004	1	0.057124	-23.7473	-8.98E-05	1.99922	11	0.023004	0.002757
9	38	1584.49	0.055442	-0.030834	1	0.063439	-29.0808	-1.00E-04	1.99921	11	0.030834	0.003259
10	42	999.95	0.057319	-0.043797	1	0.072137	-37.3828	-1.07E-04	1.99921	11	0.043797	0.003636
11	46	630.984	0.058445	-0.065584	1	0.087847	-48.2941	-1.05E-04	1.99921	11	0.065584	0.003848
12	48	398.209	0.059426	-0.101159	1	0.117323	-59.5678	4.10E-05	1.99927	11	0.101159	0.003953
13	50	251.185	0.06046	-0.158407	1	0.169553	-69.1094	7.18E-05	1.99927	11	0.158407	0.004002
14	52	158.533	0.061934	-0.249403	1	0.256978	-76.0539	4.13E-05	1.99927	11	0.249403	0.004027
15	54	100.009	0.064522	-0.393699	1	0.398951	-80.6928	-5.25E-05	1.99926	11	0.393699	0.004044
16	56	63.0971	0.069689	-0.621632	1	0.625526	-83.6035	-7.86E-05	1.99927	11	0.621632	0.00406
17	58	40.0059	0.079667	-0.97615	1	0.97939	-85.3342	-8.11E-05	1.99926	11	0.97615	0.004078
18	60	24.9911	0.100629	-1.55446	1	1.55771	-86.2961	-1.16E-04	1.99925	11	1.55446	0.004099
19	62	15.7934	0.142428	-2.44296	1	2.44711	-86.6633	-1.18E-04	1.99926	11	2.44296	0.004127
20	65	9.9987	0.236253	-3.82265	1	3.82994	-86.4634	-6.72E-05	1.99926	11	3.82265	0.004166
21	67	6.31623	0.371173	-5.98464	1	5.99614	-86.451	-8.50E-06	1.99927	11	5.98464	0.004213
22	69	3.97302	0.665953	-9.34208	1	9.36579	-85.9226	4.27E-05	1.99926	10	9.34208	0.00429
23	73	2.51085	1.28681	-14.3616	1	14.4192	-84.8799	-1.52E-05	1.99873	10	14.3616	0.004416
24	76	1.58325	2.22609	-22.0303	1	22.1425	-84.23	-1.91E-06	1.99872	10	22.0303	0.004565
25	81	1.00006	3.6095	-33.6242	1	33.8174	-83.8729	-2.00E-06	1.99854	10	33.6242	0.004735

60919

0	5	100007	0.099504	0.051691	1	0.11213	27.4515	9.90E-05	2.26439	11	0.051691	3.08E-05
1	7	63105.5	0.07752	0.033714	1	0.084534	23.5044	-9.34E-06	1.9995	11	0.033714	7.48E-05
2	9	39811.2	0.061216	0.021784	1	0.064977	19.5886	-1.20E-04	1.99948	11	0.021784	0.000184
3	13	25123.7	0.04938	0.011519	1	0.050706	13.131	-0.000139	1.99946	11	0.011519	0.00055
4	17	15852.9	0.042582	0.002564	1	0.042659	3.44554	-1.58E-04	1.99943	11	0.002564	0.003918
5	21	9998.2	0.040759	-4.90E-03	1	0.041053	-6.85919	-1.07E-04	1.99936	11	0.004903	0.003248
6	26	6311.1	0.042799	-0.011377	1	0.044285	-14.8869	-9.15E-05	1.99931	11	0.011377	0.002218
7	30	3980.93	0.04699	-0.017232	1	0.05005	-20.1388	-8.98E-05	1.99926	11	0.017232	0.002321
8	34	2511.16	0.051277	-0.023118	1	0.056248	-24.2682	-1.08E-04	1.99922	11	0.023118	0.002743
9	38	1584.49	0.054352	-0.031181	1	0.062661	-29.8423	-1.04E-04	1.99921	11	0.031181	0.003223
10	42	999.95	0.056173	-0.044503	1	0.071666	-38.3878	-1.13E-04	1.9992	11	0.044503	0.003578
11	46	630.984	0.057296	-0.066819	1	0.08802	-49.3877	-1.18E-04	1.99921	11	0.066819	0.003777
12	48	398.209	0.058263	-0.103234	1	0.11854	-60.5603	1.92E-05	1.99927	11	0.103234	0.003874
13	50	251.185	0.059314	-0.161775	1	0.172306	-69.8647	5.39E-05	1.99926	11	0.161775	0.003919
14	52	158.533	0.060757	-0.254776	1	0.261921	-76.587	2.20E-05	1.99926	11	0.254776	0.003942
15	54	100.009	0.063352	-0.402175	1	0.407134	-81.0482	-7.38E-05	1.99927	11	0.402175	0.003959
16	56	63.0971	0.068467	-0.635018	1	0.638698	-83.8462	-9.70E-05	1.99926	11	0.635018	0.003974
17	58	40.0059	0.078303	-0.99749	1	1.00056	-85.5115	-1.02E-04	1.99926	11	0.99749	0.00399
18	60	24.9911	0.10013	-1.58725	1	1.59041	-86.3904	-1.25E-04	1.99926	11	1.58725	0.004014
19	63	15.7934	0.145648	-2.49873	1	2.50297	-86.6641	-1.30E-04	1.99926	11	2.49873	0.004035
20	65	9.9987	0.230687	-3.90635	1	3.91315	-86.6204	-6.60E-05	1.99925	11	3.90635	0.004077
21	68	6.31623	0.374285	-6.12053	1	6.13197	-86.5006	-2.89E-05	1.99927	11	6.12053	0.004119
22	70	3.97302	0.627404	-9.513	1	9.5336	-86.2267	4.51E-05	1.99926	10	9.513	0.004213
23	72	2.51085	1.29069	-14.6951	1	14.7516	-84.9805	-1.53E-05	1.99873	10	14.6951	0.004316
24	76	1.58325	2.22929	-22.5582	1	22.6681	-84.3561	-1.73E-06	1.99872	10	22.5582	0.004458
25	81	1.00006	3.61661	-34.4513	1	34.6406	-84.0072	-2.50E-06	1.99856	10	34.4513	0.004622

60920

0	6	100007	0.085859	0.031989	1	0.091625	20.4344	-2.35E-04	2.26448	11	0.031989	4.98E-05
1	7	63105.5	0.068736	0.021042	1	0.071885	17.0209	-1.47E-04	1.99957	11	0.021042	0.00012
2	9	39811.2	0.055587	0.013788	1	0.057272	13.9308	-8.17E-05	1.99952	11	0.013788	0.00029
3	14	25123.7	0.045479	0.006634	1	0.04596	8.2988	-7.45E-05	1.99946	11	0.006634	0.000955
4	18	15852.9	0.039653	-0.000312	1	0.039654	-0.450617	-1.80E-04	1.99944	11	0.000312	0.002194
5	22	9998.2	0.038432	-0.006489	1	0.038976	-9.5844	-8.51E-05	1.99935	11	0.006489	0.002454
6	26	6311.1	0.04073	-0.012086	1	0.042485	-16.5278	-1.17E-04	1.9993	11	0.012086	0.002088
7	30	3980.93	0.04492	-0.017266	1	0.048124	-21.0247	-1.04E-04	1.99926	11	0.017266	0.002317
8	34	2511.16	0.049017	-0.022652	1	0.053998	-24.8027	-1.18E-04	1.9992	11	0.022652	0.002799
9	38	1584.49	0.051863	-0.030331	1	0.060081	-30.3206	-1.20E-04	1.99921	11	0.030331	0.003313
10	43	999.95	0.053555	-0.043237	1	0.068829	-38.9152	-1.28E-04	1.99919	11	0.043237	0.003683
11	47	630.984	0.054596	-0.064945	1	0.084844	-49.9478	-1.35E-04	1.9992	11	0.064945	0.003886
12	49	398.209	0.055533	-0.100376	1	0.114714	-61.0463	-4.06E-06	1.99923	11	0.100376	0.003984
13	51	251.185	0.056546	-0.157317	1	0.167171	-70.2296	5.04E-05	1.99926	11	0.157317	0.00403
14	53	158.533	0.058003	-0.247743	1	0.254442	-76.823	1.56E-05	1.99925	11	0.247743	0.004054
15	55	100.009	0.060625	-0.391222	1	0.395892	-81.1913	-8.79E-05	1.99925	11	0.391222	0.00407
16	57	63.0971	0.06561	-0.617513	1	0.620988	-83.9351	-1.05E-04	1.99926	11	0.617513	0.004087
17	59	40.0059	0.075508	-0.97016	1	0.97309	-85.5496	-1.18E-04	1.99925	11	0.97016	0.004103
18	61	24.9911	0.096871	-1.54443	1	1.54747	-86.411	-1.36E-04	1.99925	11	1.54443	0.004126
19	63	15.7934	0.14188	-2.4282	1	2.43235	-86.656	-1.48E-04	1.99926	11	2.4282	0.004152
20	65	9.9987	0.22396	-3.80101	1	3.80761	-86.628	-6.96E-05	1.99926	11	3.80101	0.00419
21	68	6.31623	0.374588	-5.94509	1	5.95687	-86.3947	-3.72E-05	1.99927	11	5.94509	0.004241
22	70	3.97302	0.636947	-9.26439	1	9.28626	-86.067	4.58E-05	1.99926	10	9.26439	0.004326
23	73	2.51085	1.3117	-14.2979	1	14.3579	-84.7583	-1.63E-05	1.99872	10	14.2979	0.004436
24	76	1.58325	2.32098	-21.9162	1	22.0387	-83.9548	-3.39E-06	1.99872	10	21.9162	0.004589
25	81	1.00006	3.85147	-33.3737	1	33.5952	-83.4169	-3.90E-06	1.99856	10	33.3737	0.004771