



Pt #	Time s	Freq Hz	Zreal ohm	Zimag ohm	Zsig V	Zmod ohm	Zphz °	Idc A	Vdc V	IERange #	z"	cap
0	6	100007	0.098128	0.010491	1	0.098687	6.10234	-0.00082	2.26441	11	0.010491	0.000152
1	8	63105.5	0.084653	-0.0002	1	0.084653	-0.13469	-0.00093	1.99948	11	0.000199	0.01268
2	10	39811.2	0.076909	-0.0097	1	0.077519	-7.19119	-0.00093	1.99945	11	0.009704	0.000412
3	12	25123.7	0.075553	-0.01988	1	0.078125	-14.7419	-0.00082	1.99937	11	0.01988	0.000319
4	16	15852.9	0.080604	-0.03113	1	0.086408	-21.1181	-0.00094	1.99932	11	0.031132	0.000323
5	20	9998.2	0.090502	-0.04386	1	0.100572	-25.8582	-0.00085	1.99924	11	0.043864	0.000363
6	24	6311.1	0.103876	-0.05858	1	0.119253	-29.4185	-0.00087	1.99919	11	0.058576	0.000431
7	28	3980.93	0.12076	-0.07611	1	0.142746	-32.223	-0.00087	1.99918	11	0.076114	0.000526
8	32	2511.16	0.141679	-0.09643	1	0.17138	-34.2395	-0.00087	1.99916	11	0.096428	0.000658
9	36	1584.49	0.164279	-0.11947	1	0.203128	-36.0264	-0.00087	1.99916	11	0.119471	0.000841
10	38	999.95	0.183716	-0.15074	1	0.237645	-39.3697	-0.00086	1.99916	11	0.150743	0.001056
11	40	630.984	0.197876	-0.20239	1	0.283051	-45.6465	-0.00085	1.99916	11	0.202393	0.001247
12	42	398.209	0.209086	-0.28982	1	0.35737	-54.1921	-0.00082	1.99919	11	0.289821	0.00138
13	44	251.185	0.219275	-0.43475	1	0.486915	-63.2348	-0.0008	1.99921	11	0.434746	0.001458
14	46	158.533	0.23223	-0.66806	1	0.707273	-70.8316	-0.00081	1.99922	11	0.66806	0.001504
15	48	100.009	0.25295	-1.03856	1	1.06892	-76.3117	-0.00083	1.99921	11	1.03856	0.001533
16	50	63.0971	0.29096	-1.61999	1	1.64592	-79.8179	-0.00084	1.99921	11	1.61999	0.001558
17	53	40.0059	0.361769	-2.51409	1	2.53998	-81.8115	-0.00083	1.99922	11	2.51409	0.001583
18	55	24.9911	0.497553	-3.94666	1	3.9779	-82.8147	-0.00083	1.99922	11	3.94666	0.001614
19	57	15.7934	0.733987	-6.10154	1	6.14553	-83.1405	-0.00084	1.99922	11	6.10154	0.001652
20	59	9.9987	1.15326	-9.3669	1	9.43763	-82.9811	-5.84E-05	1.99922	10	9.3669	0.0017
21	62	6.31623	1.80275	-14.2854	1	14.3987	-82.8075	-2.39E-05	1.99922	10	14.2854	0.001765
22	64	3.97302	2.8676	-21.8104	1	21.9981	-82.5098	-5.81E-05	1.99922	10	21.8104	0.001838
23	67	2.51085	4.38776	-32.994	1	33.2844	-82.4249	-9.5E-05	1.99869	10	32.994	0.001922
24	70	1.58325	6.37953	-50.0943	1	50.4989	-82.7424	-9.47E-05	1.99868	10	50.0943	0.002008
25	75	1.00006	9.01162	-76.2149	1	76.7458	-83.2567	-6.73E-06	1.99852	9	76.2149	0.002089
0	6	100007	0.109657	0.014919	1	0.110667	7.74751	-0.00103	2.26441	11	0.014919	0.000107
1	8	63105.5	0.094562	0.002375	1	0.094592	1.43888	-0.00081	1.99949	11	0.002375	0.001062
2	10	39811.2	0.085989	-0.00862	1	0.08642	-5.72324	-0.00093	1.99944	11	0.008618	0.000464
3	12	25123.7	0.084906	-0.01966	1	0.087154	-13.0394	-0.00084	1.99934	11	0.019664	0.000322
4	16	15852.9	0.090256	-0.03138	1	0.095555	-19.1711	-0.00098	1.9993	11	0.031379	0.00032
5	20	9998.2	0.100405	-0.04443	1	0.109795	-23.869	-0.00085	1.99924	11	0.044428	0.000358
6	24	6311.1	0.114072	-0.05941	1	0.128614	-27.5095	-0.00087	1.99922	11	0.059406	0.000425
7	28	3980.93	0.131653	-0.07706	1	0.152549	-30.3424	-0.00085	1.99918	11	0.077063	0.000519
8	32	2511.16	0.153478	-0.09673	1	0.181415	-32.2203	-0.00087	1.99918	11	0.096726	0.000656
9	34	1584.49	0.176184	-0.1182	1	0.21216	-33.8572	-0.00087	1.99918	11	0.1182	0.00085
10	36	999.95	0.194055	-0.14819	1	0.244169	-37.3679	-0.00085	1.99918	11	0.148194	0.001075
11	38	630.984	0.205953	-0.19997	1	0.28706	-44.155	-0.00085	1.99918	11	0.199966	0.001262
12	40	398.209	0.214935	-0.28925	1	0.360364	-53.3847	-0.00081	1.99922	11	0.289249	0.001382
13	42	251.185	0.223684	-0.43768	1	0.491525	-62.9298	-0.0008	1.99924	11	0.437678	0.001448
14	44	158.533	0.236155	-0.67588	1	0.715951	-70.7404	-0.0008	1.99923	11	0.675882	0.001486
15	46	100.009	0.258039	-1.05273	1	1.08389	-76.2275	-0.00082	1.99924	11	1.05273	0.001512
16	48	63.0971	0.298391	-1.6434	1	1.67027	-79.709	-0.00084	1.99921	11	1.6434	0.001536
17	50	40.0059	0.371893	-2.54959	1	2.57657	-81.7011	-0.00083	1.99924	11	2.54959	0.001561
18	52	24.9911	0.518068	-4.00242	1	4.03581	-82.6247	-0.00084	1.99924	11	4.00242	0.001592
19	54	15.7934	0.772033	-6.1772	1	6.22525	-82.8761	-4.65E-05	1.99924	10	6.1772	0.001632
20	57	9.9987	1.21267	-9.47779	1	9.5551	-82.7087	-6.38E-05	1.99924	10	9.47779	0.00168
21	60	6.31623	1.95761	-14.4645	1	14.5963	-82.2925	-2.23E-05	1.99925	10	14.4645	0.001743
22	62	3.97302	3.12256	-22.0272	1	22.2474	-81.9315	-6.00E-05	1.99923	10	22.0272	0.00182
23	64	2.51085	4.84213	-33.1383	1	33.4902	-81.6868	-9.6E-05	1.9987	10	33.1383	0.001914
24	67	1.58325	7.13093	-50.0718	1	50.577	-81.8948	-9.45E-05	1.99869	10	50.0718	0.002009
25	72	1.00006	10.0943	-75.8047	1	76.4738	-82.415	-8.20E-06	1.9985	9	75.8047	0.0021
0	6	100007	0.101182	0.01641	1	0.102504	9.2121	-0.00081	2.2644	11	0.01641	9.7E-05
1	7	63105.5	0.085058	0.003685	1	0.085138	2.48089	-0.00092	1.99951	11	0.003685	0.000685
2	9	39811.2	0.075743	-0.00747	1	0.076111	-5.63512	-0.00084	1.99945	11	0.007474	0.000535
3	14	25123.7	0.073879	-0.01854	1	0.076168	-14.0844	-0.00082	1.99936	11	0.018536	0.000342
4	18	15852.9	0.07894	-0.03015	1	0.084501	-20.9028	-0.00087	1.99934	11	0.030149	0.000333
5	22	9998.2	0.088785	-0.04303	1	0.098661	-25.8557	-0.00084	1.99926	11	0.043027	0.00037
6	26	6311.1	0.102152	-0.05773	1	0.117337	-29.4731	-0.00086	1.99922	11	0.057732	0.000437
7	30	3980.93	0.119127	-0.07513	1	0.14084	-32.2382	-0.00084	1.99921	11	0.07513	0.000532
8	34	2511.16	0.140009	-0.09494	1	0.169163	-34.1412	-0.00087	1.99919	11	0.09494	0.000668
9	38	1584.49	0.162121	-0.11718	1	0.200036	-35.8591	-0.00087	1.99919	11	0.11718	0.000858
10	40	999.95	0.180369	-0.14789	1	0.233248	-39.3496	-0.00084	1.99919	11	0.147891	0.001077
11	42	630.984	0.193203	-0.19958	1	0.277772	-45.9295	-0.00085	1.99919	11	0.199575	0.001264
12	44	398.209	0.203069	-0.28776	1	0.3522	-54.7901	-0.00079	1.99926	11	0.287763	0.00139
13	46	251.185	0.212359	-0.43401	1	0.483181	-63.9278	-0.00079	1.99925	11	0.434013	0.001461
14	48	158.533	0.224737	-0.66905	1	0.705788	-71.4326	-0.0008	1.99925	11	0.669051	0.001501
15	50	100.009	0.246077	-1.04169	1	1.07036	-76.7087	-0.00081	1.99925	11	1.04169	0.001528
16	52	63.0971	0.2854	-1.62596	1	1.65082	-80.0445	-0.00082	1.99925	11	1.62596	0.001552
17	54	40.0059	0.358476	-2.52229	1	2.54764	-81.9111	-0.00082	1.99925	11	2.52229	0.001578
18	56	24.9911	0.499729	-3.95979	1	3.9912	-82.8073	-0.00083	1.99925	11	3.95979	0.001609
19	59	15.7934	0.744367	-6.11779	1	6.16291	-83.0628	-0.00083	1.99925	11	6.11779	0.001648
20	61	9.9987	1.16367	-9.35605	1	9.42814	-82.9102	-5.73E-05	1.99926	10	9.35605	0.001702

21	64	6.31623	1.82096	-14.2902	1	14.4058	-82.7381	-2.42E-05	1.99926	10	14.2902	0.001764
22	66	3.97302	2.86065	-21.9241	1	22.1099	-82.566	-5.75E-05	1.99926	10	21.9241	0.001828
23	68	2.51085	4.34588	-33.0077	1	33.2926	-82.4994	-9.37E-05	1.99873	10	33.0077	0.001921
24	71	1.58325	6.29587	-50.1681	1	50.5616	-82.847	-9.37E-05	1.99871	10	50.1681	0.002005
25	76	1.00006	8.80999	-76.4728	1	76.9786	-83.4283	-6.85E-06	1.99854	9	76.4728	0.002082
0	5	100007	0.103352	0.002267	1	0.103377	1.25669	-0.00084	2.26439	11	0.002267	0.000702
1	7	63105.5	0.093306	-0.00572	1	0.093481	-3.50947	-0.00086	1.99948	11	0.005722	0.000441
2	9	39811.2	0.087998	-0.01354	1	0.089034	-8.748	-0.00083	1.99943	11	0.013541	0.000295
3	11	25123.7	0.088232	-0.02265	1	0.091093	-14.3985	-0.00085	1.99938	11	0.022652	0.00028
4	15	15852.9	0.094111	-0.03323	1	0.099804	-19.446	-0.00084	1.99931	11	0.033227	0.000302
5	19	9998.2	0.104241	-0.04556	1	0.113762	-23.6072	-0.00087	1.99924	11	0.045557	0.00035
6	23	6311.1	0.117666	-0.06008	1	0.132117	-27.0489	-0.00083	1.99922	11	0.06008	0.00042
7	28	3980.93	0.134626	-0.07747	1	0.155325	-29.9187	-0.00087	1.99919	11	0.077472	0.000516
8	32	2511.16	0.156262	-0.09717	1	0.184009	-31.8744	-0.00087	1.99919	11	0.097167	0.000653
9	34	1584.49	0.178853	-0.11909	1	0.214872	-33.6567	-0.00086	1.99919	11	0.119085	0.000844
10	36	999.95	0.197099	-0.14961	1	0.24745	-37.2009	-0.00085	1.99919	11	0.149611	0.001064
11	38	630.984	0.209424	-0.2018	1	0.290832	-43.9385	-0.00085	1.99919	11	0.201804	0.001251
12	39	398.209	0.218935	-0.29151	1	0.364572	-53.0925	-0.0008	1.99925	11	0.291514	0.001372
13	41	251.185	0.228132	-0.44075	1	0.496288	-62.6338	-0.00079	1.99925	11	0.440747	0.001438
14	43	158.533	0.241303	-0.68022	1	0.721749	-70.4682	-0.0008	1.99925	11	0.680217	0.001477
15	45	100.009	0.264283	-1.05918	1	1.09165	-75.9898	-0.00081	1.99924	11	1.05918	0.001503
16	48	63.0971	0.306861	-1.65243	1	1.68068	-79.4799	-0.00082	1.99925	11	1.65243	0.001527
17	50	40.0059	0.38439	-2.56124	1	2.58993	-81.4648	-0.00082	1.99925	11	2.56124	0.001554
18	52	24.9911	0.537212	-4.01828	1	4.05403	-82.3852	-0.00083	1.99924	11	4.01828	0.001586
19	54	15.7934	0.803922	-6.1919	1	6.24387	-82.6024	-4.45E-05	1.99925	10	6.1919	0.001628
20	56	9.9987	1.25321	-9.48107	1	9.5635	-82.4703	-6.30E-05	1.99925	10	9.48107	0.00168
21	59	6.31623	2.02341	-14.4162	1	14.5575	-82.0103	-2.25E-05	1.99926	10	14.4162	0.001749
22	61	3.97302	3.05168	-21.9643	1	22.1753	-82.09	-5.93E-05	1.99925	10	21.9643	0.001825
23	64	2.51085	4.73696	-33.0937	1	33.431	-81.8541	-9.5E-05	1.99872	10	33.0937	0.001916
24	67	1.58325	6.85686	-50.1227	1	50.5895	-82.2102	-9.40E-05	1.99871	10	50.1227	0.002007
25	72	1.00006	9.5937	-76.1437	1	76.7457	-82.8189	-7.71E-06	1.99851	9	76.1437	0.002091
0	6	100007	0.107485	0.014591	1	0.108471	7.7306	-0.00086	2.26443	11	0.014591	0.000109
1	8	63105.5	0.094661	0.002337	1	0.09469	1.41397	-0.0009	1.9995	11	0.002337	0.00108
2	10	39811.2	0.087214	-0.00759	1	0.087543	-4.97336	-0.00095	1.99945	11	0.007589	0.000527
3	12	25123.7	0.085502	-0.0179	1	0.087355	-11.8229	-0.00094	1.99938	11	0.017898	0.000354
4	16	15852.9	0.08997	-0.02933	1	0.094631	-18.0577	-0.00096	1.99932	11	0.029333	0.000342
5	20	9998.2	0.099403	-0.04214	1	0.107967	-22.9739	-0.00084	1.99925	11	0.042141	0.000378
6	24	6311.1	0.112465	-0.05674	1	0.125969	-26.7725	-0.00086	1.99922	11	0.056742	0.000445
7	28	3980.93	0.129218	-0.07382	1	0.148818	-29.7388	-0.00087	1.9992	11	0.073821	0.000542
8	32	2511.16	0.149871	-0.09296	1	0.17636	-31.8099	-0.00086	1.99918	11	0.09296	0.000682
9	34	1584.49	0.17114	-0.1145	1	0.20591	-33.7837	-0.00086	1.99919	11	0.114498	0.000878
10	36	999.95	0.188424	-0.145	1	0.23776	-37.5805	-0.00084	1.99919	11	0.145004	0.001098
11	38	630.984	0.200795	-0.19659	1	0.281009	-44.3937	-0.00084	1.9992	11	0.19659	0.001284
12	40	398.209	0.211107	-0.28409	1	0.353942	-53.3842	-0.0008	1.99925	11	0.284093	0.001408
13	42	251.185	0.22137	-0.42843	1	0.482238	-62.6743	-0.00079	1.99925	11	0.428425	0.00148
14	44	158.533	0.235501	-0.65953	1	0.700319	-70.3498	-0.0008	1.99924	11	0.659534	0.001523
15	46	100.009	0.259379	-1.02498	1	1.05729	-75.799	-0.00081	1.99924	11	1.02498	0.001553
16	48	63.0971	0.302552	-1.59657	1	1.62498	-79.2696	-0.00081	1.99924	11	1.59657	0.001581
17	50	40.0059	0.382069	-2.47144	1	2.5008	-81.212	-0.00082	1.99925	11	2.47144	0.001611
18	52	24.9911	0.533738	-3.87061	1	3.90724	-82.1487	-0.00083	1.99925	11	3.87061	0.001646
19	54	15.7934	0.800619	-5.96091	1	6.01444	-82.3503	-0.00083	1.99925	11	5.96091	0.001691
20	57	9.9987	1.23155	-9.09408	1	9.17709	-82.2877	-5.76E-05	1.99926	10	9.09408	0.001751
21	60	6.31623	1.94077	-13.8352	1	13.9706	-82.0148	-1.99E-05	1.99925	10	13.8352	0.001822
22	62	3.97302	2.90472	-20.9739	1	21.1741	-82.1152	-5.70E-05	1.99926	10	20.9739	0.001911
23	64	2.51085	4.49178	-31.7252	1	32.0416	-81.9414	-9.39E-05	1.99871	10	31.7252	0.001999
24	68	1.58325	6.42768	-48.1029	1	48.5304	-82.389	-9.31E-05	1.99871	10	48.1029	0.002091
25	72	1.00006	8.93028	-73.2018	1	73.7445	-83.0445	-7.07E-06	1.99855	9	73.2018	0.002175

0	5	100007	0.121955	0.037707	1	0.127652	17.181	-0.00085	2.26439	11	0.037707	4.22E-05
1	7	63105.5	0.102138	0.016759	1	0.103503	9.31815	-0.00091	1.99947	11	0.016759	0.000151
2	9	39811.2	0.090398	0.001146	1	0.09041	0.925349	-0.00094	1.99942	11	0.001146	0.00274
3	11	25123.7	0.08628	-0.01225	1	0.087145	-8.0815	-0.00088	1.99938	11	0.012251	0.000517
4	15	15852.9	0.089517	-0.02571	1	0.093137	-16.0263	-0.00096	1.99933	11	0.025713	0.000391
5	19	9998.2	0.098487	-0.03979	1	0.106222	-22.0005	-0.00083	1.99926	11	0.039792	0.0004
6	23	6311.1	0.11129	-0.05526	1	0.124255	-26.4067	-0.00085	1.99921	11	0.055261	0.000457
7	27	3980.93	0.127938	-0.07299	1	0.147292	-29.7036	-0.00085	1.99921	11	0.072985	0.000548
8	32	2511.16	0.148345	-0.09264	1	0.174896	-31.9847	-0.00086	1.99919	11	0.092641	0.000684
9	34	1584.49	0.169377	-0.11487	1	0.204653	-34.1438	-0.00086	1.99919	11	0.114866	0.000875
10	36	999.95	0.186456	-0.14615	1	0.236909	-38.0907	-0.00084	1.99919	11	0.146151	0.00109
11	38	630.984	0.198593	-0.19903	1	0.281164	-45.0634	-0.00084	1.99919	11	0.199033	0.001268
12	40	398.209	0.208533	-0.28848	1	0.355957	-54.1378	-0.00079	1.99923	11	0.288477	0.001386
13	42	251.185	0.218227	-0.43604	1	0.4876	-63.4131	-0.00079	1.99924	11	0.43604	0.001454
14	43	158.533	0.231565	-0.67226	1	0.711023	-70.9933	-0.00079	1.99924	11	0.672259	0.001494
15	45	100.009	0.254033	-1.04601	1	1.07642	-76.3495	-0.00081	1.99924	11	1.04601	0.001522
16	48	63.0971	0.294617	-1.63076	1	1.65716	-79.7593	-0.00081	1.99925	11	1.63076	0.001548
17	50	40.0059	0.368452	-2.52853	1	2.55524	-81.7093	-0.00081	1.99924	11	2.52853	0.001574
18	52	24.9911	0.510193	-3.96429	1	3.99699	-82.6665	-0.00082	1.99924	11	3.96429	0.001607
19	54	15.7934	0.754628	-6.11648	1	6.16286	-82.9666	-0.00082	1.99923	11	6.11648	0.001648
20	56	9.9987	1.14668	-9.36657	1	9.4365	-83.0204	-5.35E-05	1.99924	10	9.36657	0.0017
21	59	6.31623	1.74746	-14.3118	1	14.4181	-83.0387	-1.84E-05	1.99924	10	14.3118	0.001762
22	61	3.97302	2.59886	-21.8996	1	22.0533	-83.2323	-5.27E-05	1.99924	10	21.8996	0.00183
23	64	2.51085	3.90834	-33.3178	1	33.5463	-83.3095	-9.02E-05	1.99869	10	33.3178	0.001903
24	67	1.58325	5.56786	-50.9844	1	51.2876	-83.7676	-9.03E-05	1.99869	10	50.9844	0.001973
25	72	1.00006	7.72508	-78.1684	1	78.5492	-84.356	-5.56E-06	1.9985	9	78.1684	0.002037