



Technical Information Data Bulletin

Copper 9.035 Ohms (Cu9.035)

α 0.00427

Temperature vs Resistance Table

Resistance @ 0°C

Temperature Range:

-140 to 500°F

-100 to 260°C

TEMPERATURE & PROCESS INSTRUMENTS - CON

Temp	0	-1	-2	-3	-4	-5	-6	-7	-8	-9
-100	5.1280									
-90	5.5264	5.4866	5.4468	5.4070	5.3672	5.3274	5.2875	5.2477	5.2078	5.1679
-80	5.9232	5.8836	5.8439	5.8043	5.7646	5.7250	5.6853	5.6456	5.6059	5.5661
-70	6.3184	6.2789	6.2395	6.2000	6.1605	6.1210	6.0814	6.0419	6.0023	5.9628
-60	6.7120	6.6727	6.6334	6.5941	6.5548	6.5154	6.4760	6.4366	6.3972	6.3578
-50	7.1041	7.0650	7.0258	6.9866	6.9475	6.9083	6.8690	6.8298	6.7906	6.7513
-40	7.4903	7.4516	7.4130	7.3744	7.3358	7.2972	7.2586	7.2199	7.1813	7.1427
-30	7.8765	7.8378	7.7992	7.7606	7.7220	7.6834	7.6447	7.6061	7.5675	7.5289
-20	8.2626	8.2240	8.1854	8.1468	8.1082	8.0695	8.0309	7.9923	7.9537	7.9151
-10	8.6488	8.6102	8.5716	8.5330	8.4943	8.4557	8.4171	8.3785	8.3399	8.3013
-0	9.0	8.9964	8.9578	8.9191	8.8805	8.8419	8.8033	8.7647	8.7261	8.6874
Temp	0	1	2	3	4	5	6	7	8	9
0	9.0	9.0736	9.1122	9.1509	9.1895	9.2281	9.2667	9.3053	9.3439	9.3826
10	9.4212	9.4598	9.4984	9.5370	9.5757	9.6143	9.6529	9.6915	9.7301	9.7687
20	9.8074	9.8460	9.8846	9.9232	9.9618	10.0005	10.0391	10.0777	10.1163	10.1549
30	10.1935	10.2322	10.2708	10.3094	10.3480	10.3866	10.4253	10.4639	10.5025	10.5411
40	10.5797	10.6184	10.6570	10.6956	10.7342	10.7728	10.8114	10.8501	10.8887	10.9273
50	10.9659	11.0045	11.0432	11.0818	11.1204	11.1590	11.1976	11.2362	11.2749	11.3135
60	11.3521	11.3907	11.4293	11.4680	11.5066	11.5452	11.5838	11.6224	11.6610	11.6997
70	11.7383	11.7769	11.8155	11.8541	11.8928	11.9314	11.9700	12.0086	12.0472	12.0858
80	12.1245	12.1631	12.2017	12.2403	12.2789	12.3176	12.3562	12.3948	12.4334	12.4720
90	12.5106	12.5493	12.5879	12.6265	12.6651	12.7037	12.7424	12.7810	12.8196	12.8582
100	12.8968	12.9354	12.9741	13.0127	13.0513	13.0899	13.1285	13.1672	13.2058	13.2444
110	13.2830	13.3216	13.3602	13.3989	13.4375	13.4761	13.5147	13.5533	13.5920	13.6306
120	13.6692	13.7078	13.7464	13.7851	13.8237	13.8623	13.9009	13.9395	13.9781	14.0168
130	14.0554	14.0940	14.1326	14.1712	14.2099	14.2485	14.2871	14.3257	14.3643	14.4029
140	14.4416	14.4802	14.5188	14.5574	14.5960	14.6347	14.6733	14.7119	14.7505	14.7891
150	14.8277	14.8667	14.9056	14.9446	14.9835	15.0225	15.0614	15.1004	15.1393	15.1783
160	15.2172	15.2561	15.2951	15.3340	15.3730	15.4120	15.4509	15.4899	15.5288	15.5678
170	15.6067	15.6457	15.6846	15.7236	15.7626	15.8015	15.8405	15.8794	15.9184	15.9574
180	15.9963	16.0353	16.0743	16.1132	16.1522	16.1912	16.2301	16.2691	16.3081	16.3470
190	16.3860	16.4250	16.4639	16.5029	16.5419	16.5809	16.6198	16.6588	16.6978	16.7368
200	16.7757	16.8147	16.8537	16.8927	16.9317	16.9706	17.0096	17.0486	17.0876	17.1266
210	17.1656	17.2045	17.2435	17.2825	17.3215	17.3605	17.3995	17.4385	17.4775	17.5165
220	17.5554	17.5944	17.6334	17.6724	17.7114	17.7504	17.7894	17.8284	17.8674	17.9064
230	17.9454	17.9844	18.0234	18.0624	18.1014	18.1404	18.1794	18.2184	18.2574	18.2964
240	18.3354	18.3744	18.4135	18.4525	18.4915	18.5305	18.5695	18.6085	18.6475	18.6865
250	18.7255	18.7646	18.8036	18.8426	18.8816	18.9206	18.9596	18.9987	19.0377	19.0767
260	19.1157									