



## Resistance & Temperature Table

$R_{25}=1388K\Omega\pm 1\%$      $B_{25/50}=4600K\pm 1\%$

Temp (°C)	Rmax (KΩ)	Rcent (KΩ)	Rmin (KΩ)
0	5649.3813	5516.7915	5386.7744
1	5320.5049	5198.7197	5079.2144
2	5012.6812	4900.833	4791.0015
3	4724.4468	4621.7393	4520.8125
4	4454.4463	4360.1479	4267.4189
5	4201.4263	4114.8662	4029.6863
6	3964.2246	3884.7861	3806.5586
7	3741.7666	3668.8833	3597.0596
8	3533.0562	3466.2073	3400.283
9	3337.1677	3275.8748	3215.386
10	3153.2449	3097.0676	3041.5872
11	2980.4922	2929.0264	2878.1614
12	2818.1711	2771.0442	2724.4329
13	2665.5962	2622.4653	2579.7744
14	2522.1299	2482.6799	2443.6028
15	2387.1797	2351.1204	2315.374
16	2260.1958	2227.2598	2194.5842
17	2140.6653	2110.6062	2080.761
18	2028.1117	2000.7028	1973.4669
19	1922.0912	1897.1233	1872.2925
20	1822.1904	1799.4709	1776.8571
21	1728.0242	1707.3755	1686.8048
22	1639.2335	1620.4921	1601.8046
23	1555.4841	1538.4987	1521.5465
24	1476.4631	1461.0947	1445.7417
25	1401.88	1388	1374.12
26	1332.8219	1318.9524	1305.0968
27	1267.5333	1253.7072	1239.9077
28	1205.7897	1192.0355	1178.3204
29	1147.3805	1133.7238	1120.1176
30	1092.1086	1078.5718	1065.0962
31	1039.7898	1026.3925	1013.0663
32	990.2515	977.0106	963.8502
33	943.3321	930.2623	917.2818
34	898.8799	885.9939	873.2053
35	856.7531	844.0616	831.475
36	816.8184	804.3306	791.9545
37	778.9509	766.6743	754.5157
38	743.0334	730.9743	719.039



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Temp (°C)	Rmax (KΩ)	Rcent (KΩ)	Rmin (KΩ)
39	708.9561	697.1194	685.4117
40	676.6155	665.0051	653.5284
41	645.9148	634.5334	623.2903
42	616.7627	605.6124	594.6043
43	589.0737	578.1558	567.3834
44	562.7673	552.0821	541.5455
45	537.7679	527.3152	517.014
46	514.0042	503.7833	493.7164
47	491.4091	481.4189	471.5847
48	469.9197	460.1585	450.555
49	449.4766	439.9424	430.5674
50	430.024	420.7143	411.565
51	411.5091	402.4214	393.4949
52	393.8824	385.0136	376.3068
53	377.097	368.4441	359.9537
54	361.109	352.6685	344.3909
55	345.8766	337.6451	329.5766
56	331.3606	323.3346	315.4714
57	317.5242	309.6998	302.0381
58	304.3322	296.7057	289.2414
59	291.7518	284.3193	277.0485
60	279.7517	272.5093	265.4278
61	268.3026	261.2463	254.3501
62	257.3766	250.5024	243.7875
63	246.9474	240.2514	233.7135
64	236.9903	230.4684	224.1036
65	227.4817	221.13	214.9342
66	218.3994	212.2139	206.183
67	209.7223	203.6992	197.8292
68	201.4306	195.5659	189.8529
69	193.5054	187.7953	182.2355
70	185.9289	180.3696	174.959
71	178.6843	173.272	168.0068
72	171.7554	166.4865	161.363
73	165.1272	159.998	155.0126
74	158.7853	153.7922	148.9413
75	152.7161	147.8556	143.1355
76	146.9066	142.1753	137.5827
77	141.3445	136.7391	132.2705
78	136.0184	131.5355	127.1876
79	130.9172	126.5535	122.323
80	126.0303	121.7827	117.6664



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Temp (°C)	Rmax (KΩ)	Rcent (KΩ)	Rmin (KΩ)
81	121.3479	117.2132	113.2081
82	116.8605	112.8358	108.9388
83	112.5592	108.6414	104.8496
84	108.4354	104.6217	100.9321
85	104.4811	100.7687	97.1785
86	100.6886	97.0747	93.5811
87	97.0506	93.5325	90.1329
88	93.5601	90.1352	86.827
89	90.2105	86.8762	83.6568
90	86.9957	83.7495	80.6164
91	83.9094	80.7489	77.6997
92	80.9462	77.869	74.9014
93	78.1006	75.1044	72.216
94	75.3673	72.45	69.6386
95	72.7416	69.9008	67.1643
96	70.2187	67.4525	64.7887
97	67.7943	65.1004	62.5073
98	65.4639	62.8405	60.3161
99	63.2238	60.6687	58.2111
100	61.0698	58.5813	56.1885
101	58.9984	56.5746	54.2449
102	57.0061	54.6452	52.3768
103	55.0896	52.7898	50.5809
104	53.2456	51.0052	48.8542
105	51.4711	49.2885	47.1938
106	49.7633	47.6369	45.5968
107	48.1193	46.0475	44.0605
108	46.5365	44.5179	42.5825
109	45.0125	43.0454	41.1602
110	43.5447	41.6278	39.7913
111	42.1308	40.2628	38.4737
112	40.7688	38.9482	37.2052
113	39.4564	37.6819	35.9837
114	38.1917	36.4621	34.8074
115	36.9727	35.2868	33.6744
116	35.7977	34.1542	32.5829
117	34.6648	33.0626	31.5313
118	33.5724	32.0104	30.5179
119	32.5189	30.9959	29.5412
120	31.5028	30.0177	28.5998
121	30.5225	29.0744	27.6922
122	29.5768	28.1645	26.817



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Temp (°C)	Rmax (KΩ)	Rcent (KΩ)	Rmin (KΩ)
123	28.6641	27.2868	25.9731
124	27.7833	26.44	25.1591
125	26.9331	25.6228	24.3739
126	26.1123	24.8343	23.6164
127	25.3199	24.0731	22.8854
128	24.5546	23.3383	22.18
129	23.8156	22.6288	21.4991
130	23.1017	21.9438	20.8418
131	22.412	21.2822	20.2073
132	21.7457	20.6432	19.5945
133	21.1018	20.0258	19.0028
134	20.4795	19.4294	18.4313
135	19.8781	18.8531	17.8792
136	19.2966	18.2961	17.3458
137	18.7344	17.7578	16.8304
138	18.1908	17.2374	16.3323
139	17.6651	16.7343	15.8509
140	17.1567	16.2478	15.3856
141	16.6648	15.7774	14.9357
142	16.1889	15.3224	14.5008
143	15.7285	14.8823	14.0801
144	15.283	14.4565	13.6733
145	14.8517	14.0445	13.2799
146	14.4343	13.6459	12.8992
147	14.0303	13.2601	12.5309
148	13.6391	12.8867	12.1746
149	13.2603	12.5252	11.8297
150	12.8934	12.1752	11.4959
151	12.5381	11.8364	11.1728
152	12.1939	11.5082	10.86
153	11.8605	11.1904	10.5571
154	11.5375	10.8826	10.2639
155	11.2244	10.5844	9.9799
156	10.9211	10.2955	9.7048
157	10.6271	10.0156	9.4383
158	10.3421	9.7443	9.1801
159	10.0658	9.4814	8.93
160	9.7979	9.2265	8.6876
161	9.5381	8.9795	8.4527
162	9.2862	8.7399	8.225
163	9.0419	8.5077	8.0043
164	8.8049	8.2825	7.7903



Temp (°C)	Rmax (KΩ)	Rcent (KΩ)	Rmin (KΩ)
165	8.575	8.0641	7.5828
166	8.352	7.8522	7.3817
167	8.1355	7.6467	7.1866
168	7.9255	7.4474	6.9973
169	7.7217	7.2539	6.8138
170	7.5238	7.0662	6.6357
171	7.3318	6.884	6.463
172	7.1453	6.7072	6.2953
173	6.9643	6.5356	6.1326
174	6.7885	6.369	5.9748
175	6.6178	6.2072	5.8215
176	6.452	6.0501	5.6727
177	6.2909	5.8976	5.5283
178	6.1345	5.7495	5.3881
179	5.9825	5.6056	5.2519
180	5.8348	5.4658	5.1197
181	5.6913	5.33	4.9912
182	5.5518	5.1981	4.8665
183	5.4162	5.0699	4.7453
184	5.2845	4.9454	4.6276
185	5.1564	4.8243	4.5132
186	5.0319	4.7066	4.402
187	4.9108	4.5923	4.294
188	4.793	4.4811	4.189
189	4.6786	4.3729	4.0869
190	4.5672	4.2678	3.9877
191	4.4589	4.1656	3.8912
192	4.3535	4.0662	3.7974
193	4.251	3.9695	3.7062
194	4.1513	3.8754	3.6175
195	4.0542	3.7839	3.5313
196	3.9598	3.6949	3.4474
197	3.8679	3.6083	3.3658
198	3.7784	3.524	3.2864
199	3.6913	3.442	3.2091
200	3.6066	3.3621	3.134
201	3.524	3.2844	3.0608
202	3.4437	3.2088	2.9896
203	3.3654	3.1352	2.9203
204	3.2892	3.0635	2.8529
205	3.215	2.9937	2.7872
206	3.1428	2.9257	2.7233



Temp (°C)	Rmax (KΩ)	Rcent (KΩ)	Rmin (KΩ)
207	3.0723	2.8595	2.6611
208	3.0038	2.795	2.6005
209	2.9369	2.7322	2.5415
210	2.8718	2.671	2.484
211	2.8084	2.6114	2.4281
212	2.7466	2.5534	2.3735
213	2.6863	2.4968	2.3204
214	2.6276	2.4417	2.2687
215	2.5703	2.3879	2.2183
216	2.5145	2.3356	2.1691
217	2.4601	2.2845	2.1213
218	2.4071	2.2348	2.0746
219	2.3553	2.1863	2.0292
220	2.3049	2.139	1.9848
221	2.2557	2.0929	1.9416
222	2.2078	2.0479	1.8995
223	2.161	2.0041	1.8585
224	2.1153	1.9614	1.8184
225	2.0708	1.9197	1.7794
226	2.0274	1.879	1.7413
227	1.985	1.8393	1.7042
228	1.9436	1.8006	1.668
229	1.9032	1.7628	1.6326
230	1.8639	1.726	1.5982
231	1.8254	1.69	1.5645
232	1.7879	1.655	1.5317
233	1.7513	1.6207	1.4997
234	1.7155	1.5873	1.4685
235	1.6806	1.5547	1.438
236	1.6465	1.5228	1.4083
237	1.6133	1.4917	1.3792
238	1.5808	1.4614	1.3509
239	1.549	1.4318	1.3232
240	1.518	1.4028	1.2962
241	1.4878	1.3746	1.2699
242	1.4582	1.347	1.2441
243	1.4293	1.32	1.219
244	1.4011	1.2937	1.1944
245	1.3735	1.268	1.1705
246	1.3466	1.2429	1.1471
247	1.3203	1.2183	1.1242
248	1.2945	1.1944	1.1018



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Temp (°C)	Rmax (KΩ)	Rcent (KΩ)	Rmin (KΩ)
249	1.2694	1.1709	1.08
250	1.2448	1.1481	1.0587
251	1.2208	1.1257	1.0379
252	1.1973	1.1038	1.0175
253	1.1744	1.0825	0.9976
254	1.152	1.0616	0.9782
255	1.13	1.0412	0.9592
256	1.1086	1.0212	0.9406
257	1.0876	1.0017	0.9225
258	1.0671	0.9826	0.9047
259	1.0471	0.964	0.8874
260	1.0275	0.9457	0.8704
261	1.0083	0.9279	0.8539
262	0.9895	0.9105	0.8377
263	0.9712	0.8934	0.8218
264	0.9532	0.8767	0.8063
265	0.9356	0.8604	0.7912
266	0.9185	0.8445	0.7763
267	0.9016	0.8288	0.7618
268	0.8852	0.8136	0.7477
269	0.8691	0.7986	0.7338
270	0.8533	0.784	0.7202
271	0.8379	0.7697	0.707
272	0.8228	0.7557	0.694
273	0.808	0.742	0.6813
274	0.7936	0.7286	0.6688
275	0.7794	0.7154	0.6566
276	0.7656	0.7026	0.6447
277	0.752	0.69	0.6331
278	0.7387	0.6777	0.6217
279	0.7257	0.6656	0.6105
280	0.713	0.6538	0.5996
281	0.7005	0.6423	0.5889
282	0.6883	0.631	0.5784
283	0.6763	0.6199	0.5681
284	0.6646	0.609	0.5581
285	0.6531	0.5984	0.5482
286	0.6418	0.588	0.5386
287	0.6308	0.5778	0.5292
288	0.62	0.5678	0.5199
289	0.6094	0.558	0.5109
290	0.5991	0.5484	0.502



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Temp (°C)	Rmax (KΩ)	Rcent (KΩ)	Rmin (KΩ)
291	0.5889	0.5391	0.4934
292	0.579	0.5299	0.4849
293	0.5692	0.5208	0.4765
294	0.5597	0.512	0.4684
295	0.5503	0.5033	0.4604
296	0.5411	0.4949	0.4525
297	0.5321	0.4866	0.4448
298	0.5233	0.4784	0.4373
299	0.5146	0.4704	0.43
300	0.5062	0.4626	0.4227
301	0.4978	0.4549	0.4156
302	0.4897	0.4474	0.4087
303	0.4817	0.44	0.4019
304	0.4739	0.4328	0.3952
305	0.4662	0.4257	0.3887
306	0.4586	0.4187	0.3823
307	0.4513	0.4119	0.376
308	0.444	0.4052	0.3698
309	0.4369	0.3987	0.3638
310	0.4299	0.3923	0.3579
311	0.4231	0.386	0.3521
312	0.4164	0.3798	0.3464
313	0.4098	0.3737	0.3408
314	0.4033	0.3677	0.3353
315	0.397	0.3619	0.3299
316	0.3908	0.3562	0.3246
317	0.3846	0.3506	0.3195
318	0.3787	0.345	0.3144
319	0.3728	0.3396	0.3094
320	0.367	0.3343	0.3045
321	0.3613	0.3291	0.2997
322	0.3558	0.324	0.295
323	0.3503	0.319	0.2904
324	0.345	0.3141	0.2859
325	0.3397	0.3092	0.2814
326	0.3346	0.3045	0.2771
327	0.3295	0.2998	0.2728
328	0.3245	0.2953	0.2686
329	0.3196	0.2908	0.2645
330	0.3148	0.2864	0.2604
331	0.3101	0.282	0.2565
332	0.3055	0.2778	0.2526





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Temp (°C)	Rmax (KΩ)	Rcent (KΩ)	Rmin (KΩ)
333	0.301	0.2736	0.2487
334	0.2965	0.2695	0.245
335	0.2921	0.2655	0.2413
336	0.2878	0.2615	0.2377
337	0.2836	0.2577	0.2341
338	0.2794	0.2539	0.2306
339	0.2754	0.2501	0.2272
340	0.2714	0.2464	0.2238
341	0.2674	0.2428	0.2205
342	0.2636	0.2393	0.2172
343	0.2598	0.2358	0.214
344	0.256	0.2324	0.2109
345	0.2524	0.229	0.2078
346	0.2488	0.2257	0.2048
347	0.2452	0.2225	0.2018
348	0.2417	0.2193	0.1989
349	0.2383	0.2161	0.196
350	0.235	0.2131	0.1932