



## Resistance & Temperature Table

$R_{25}=100K\Omega \pm 1\%$   $B_{25/50}=3950K \pm 1\%$

Temp (°C)	Rmax (KΩ)	Rcent (KΩ)	Rmin (KΩ)
-50	7301.0430	6928.7832	6574.8462
-49	6783.1758	6442.0112	6117.3940
-48	6305.7363	5992.9141	5695.0410
-47	5865.2939	5578.3193	5304.8550
-46	5458.7305	5195.3418	4944.1675
-45	5083.2129	4841.3589	4610.5503
-44	4736.1636	4513.9810	4301.7910
-43	4415.2324	4211.0298	4015.8699
-42	4118.2817	3930.5215	3750.9465
-41	3843.3599	3670.6440	3505.3391
-40	3588.6887	3429.7449	3277.5127
-39	3352.6428	3206.3125	3066.0625
-38	3133.7393	2998.9675	2869.7051
-37	2930.6201	2806.4453	2687.2632
-36	2742.0464	2627.5916	2517.6624
-35	2566.8816	2461.3464	2359.9143
-34	2404.0859	2306.7400	2213.1143
-33	2252.7078	2162.8838	2076.4336
-32	2111.8728	2028.9607	1949.1089
-31	1980.7794	1904.2219	1830.4404
-30	1858.6927	1787.9797	1719.7849
-29	1744.9370	1679.6017	1616.5510
-28	1638.8912	1578.5061	1520.1940
-27	1539.9847	1484.1584	1430.2129
-26	1447.6929	1396.0662	1346.1459
-25	1361.5315	1313.7754	1267.5675
-24	1281.0560	1236.8685	1194.0856
-23	1205.8561	1164.9598	1125.3381
-22	1135.5532	1097.6941	1060.9911
-21	1069.7992	1034.7432	1000.7358
-20	1008.2715	975.8038	944.2871
-19	950.6732	920.5962	891.3817
-18	896.7294	868.8615	841.7754
-17	846.1864	820.3603	795.2428
-16	798.8093	774.8710	751.5750
-15	754.3810	732.1889	710.5786
-14	712.7005	692.1238	672.0741
-13	673.5814	654.4999	635.8954
-12	636.8513	619.1540	601.8883



Temp	Rmax	Rcent	Rmin
(°C)	(KΩ)	(KΩ)	(KΩ)
-11	602.3502	585.9346	569.9095
-10	569.9298	554.7016	539.8262
-9	539.4526	525.3245	511.5153
-8	510.7906	497.6821	484.8615
-7	483.8254	471.6621	459.7586
-6	458.4467	447.1599	436.1073
-5	434.5519	424.0781	413.8153
-4	412.0460	402.3264	392.7968
-3	390.8401	381.8204	372.9716
-2	370.8519	362.4818	354.2653
-1	352.0045	344.2375	336.6083
0	334.2264	327.0195	319.9360
1	317.4508	310.7640	304.1877
2	301.6157	295.4121	289.3072
3	286.6631	280.9084	275.2418
4	272.5389	267.2014	261.9423
5	259.1926	254.2428	249.3626
6	246.5770	241.9877	237.4601
7	234.6482	230.3940	226.1943
8	223.3650	219.4224	215.5278
9	212.6890	209.0361	205.4255
10	202.5840	199.2007	195.8544
11	193.0167	189.8841	186.7836
12	183.9552	181.0559	178.1844
13	175.3704	172.6881	170.0298
14	167.2345	164.7540	162.2942
15	159.5216	157.2290	154.9539
16	152.2075	150.0898	147.9867
17	145.2694	143.3144	141.3716
18	138.6861	136.8825	135.0889
19	132.4375	130.7749	129.1202
20	126.5049	124.9734	123.4482
21	120.8705	119.4612	118.0564
22	115.5180	114.2223	112.9298
23	110.4316	109.2417	108.0537
24	105.5969	104.5053	103.4147
25	101.0000	100.0000	99.0000
26	96.7127	95.7132	94.7146
27	92.6306	91.6333	90.6378
28	88.7426	87.7492	86.7583
29	85.0386	84.0505	83.0655
30	81.5090	80.5274	79.5497



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Temp	Rmax	Rcent	Rmin
(°C)	(KΩ)	(KΩ)	(KΩ)
31	78.1446	77.1707	76.2012
32	74.9370	73.9717	73.0115
33	71.8779	70.9222	69.9721
34	68.9598	68.0144	67.0752
35	66.1755	65.2411	64.3134
36	63.5182	62.5954	61.6798
37	60.9814	60.0707	59.1677
38	58.5591	57.6610	56.7710
39	56.2456	55.3604	54.4837
40	54.0355	53.1635	52.3004
41	51.9235	51.0651	50.2158
42	49.9049	49.0602	48.2250
43	47.9752	47.1443	46.3232
44	46.1298	45.3130	44.5062
45	44.3649	43.5621	42.7696
46	42.6764	41.8878	41.1096
47	41.0607	40.2862	39.5224
48	39.5143	38.7539	38.0044
49	38.0339	37.2876	36.5524
50	36.6163	35.8842	35.1631
51	35.2587	34.5405	33.8335
52	33.9582	33.2538	32.5608
53	32.7121	32.0214	31.3423
54	31.5178	30.8408	30.1754
55	30.3731	29.7096	29.0576
56	29.2755	28.6253	27.9868
57	28.2230	27.5860	26.9607
58	27.2135	26.5895	25.9772
59	26.2450	25.6338	25.0343
60	25.3156	24.7171	24.1303
61	24.4237	23.8376	23.2633
62	23.5675	22.9937	22.4315
63	22.7454	22.1836	21.6336
64	21.9560	21.4061	20.8678
65	21.1977	20.6594	20.1328
66	20.4692	19.9424	19.4272
67	19.7693	19.2537	18.7497
68	19.0966	18.5920	18.0990
69	18.4499	17.9562	17.4740
70	17.8282	17.3452	16.8735
71	17.2304	16.7578	16.2965
72	16.6554	16.1930	15.7419



Temp	Rmax	Rcent	Rmin
(°C)	(KΩ)	(KΩ)	(KΩ)
73	16.1023	15.6499	15.2087
74	15.5702	15.1276	14.6961
75	15.0581	14.6251	14.2032
76	14.5652	14.1417	13.7291
77	14.0907	13.6764	13.2729
78	13.6339	13.2286	12.8341
79	13.1940	12.7976	12.4118
80	12.7703	12.3825	12.0053
81	12.3622	11.9828	11.6139
82	11.9689	11.5978	11.2372
83	11.5900	11.2270	10.8743
84	11.2247	10.8697	10.5248
85	10.8727	10.5254	10.1881
86	10.5332	10.1935	9.8637
87	10.2059	9.8736	9.5511
88	9.8902	9.5652	9.2499
89	9.5858	9.2678	8.9594
90	9.2920	8.9809	8.6794
91	9.0085	8.7042	8.4094
92	8.7350	8.4373	8.1489
93	8.4710	8.1797	7.8977
94	8.2161	7.9312	7.6554
95	7.9700	7.6912	7.4215
96	7.7324	7.4596	7.1958
97	7.5029	7.2360	6.9780
98	7.2812	7.0201	6.7677
99	7.0670	6.8115	6.5647
100	6.8601	6.6101	6.3686
101	6.6601	6.4155	6.1793
102	6.4668	6.2274	5.9964
103	6.2799	6.0457	5.8197
104	6.0993	5.8701	5.6489
105	5.9246	5.7003	5.4839
106	5.7557	5.5362	5.3245
107	5.5923	5.3775	5.1703
108	5.4343	5.2240	5.0213
109	5.2814	5.0755	4.8772
110	5.1334	4.9319	4.7379
111	4.9903	4.7930	4.6031
112	4.8517	4.6586	4.4727
113	4.7175	4.5285	4.3466
114	4.5877	4.4026	4.2245



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Temp	Rmax	Rcent	Rmin
(°C)	(KΩ)	(KΩ)	(KΩ)
115	4.4619	4.2807	4.1064
116	4.3401	4.1627	3.9921
117	4.2222	4.0484	3.8815
118	4.1079	3.9378	3.7743
119	3.9972	3.8306	3.6706
120	3.8900	3.7268	3.5702
121	3.7861	3.6263	3.4729
122	3.6854	3.5289	3.3787
123	3.5877	3.4345	3.2874
124	3.4931	3.3430	3.1990
125	3.4014	3.2543	3.1133
126	3.3124	3.1683	3.0302
127	3.2261	3.0850	2.9497
128	3.1424	3.0042	2.8717
129	3.0613	2.9258	2.7960
130	2.9825	2.8498	2.7227
131	2.9061	2.7761	2.6515
132	2.8320	2.7045	2.5826
133	2.7601	2.6352	2.5157
134	2.6902	2.5678	2.4507
135	2.6225	2.5025	2.3878
136	2.5567	2.4391	2.3267
137	2.4928	2.3775	2.2674
138	2.4308	2.3178	2.2098
139	2.3705	2.2598	2.1540
140	2.3120	2.2034	2.0997
141	2.2552	2.1487	2.0471
142	2.2000	2.0956	1.9960
143	2.1463	2.0440	1.9463
144	2.0942	1.9939	1.8981
145	2.0436	1.9452	1.8513
146	1.9943	1.8978	1.8058
147	1.9465	1.8518	1.7616
148	1.9000	1.8071	1.7187
149	1.8547	1.7637	1.6770
150	1.8108	1.7215	1.6364
151	1.7680	1.6804	1.5970
152	1.7264	1.6405	1.5587
153	1.6860	1.6017	1.5215
154	1.6467	1.5640	1.4853
155	1.6084	1.5273	1.4501
156	1.5712	1.4915	1.4158



Temp	Rmax	Rcent	Rmin
(°C)	(KΩ)	(KΩ)	(KΩ)
157	1.5349	1.4568	1.3825
158	1.4997	1.4230	1.3501
159	1.4654	1.3901	1.3186
160	1.4320	1.3582	1.2880
161	1.3995	1.3270	1.2582
162	1.3678	1.2967	1.2292
163	1.3370	1.2672	1.2009
164	1.3070	1.2385	1.1734
165	1.2778	1.2106	1.1467
166	1.2494	1.1833	1.1207
167	1.2217	1.1568	1.0953
168	1.1947	1.1310	1.0706
169	1.1684	1.1059	1.0466
170	1.1428	1.0814	1.0232
171	1.1179	1.0576	1.0004
172	1.0935	1.0343	0.9782
173	1.0698	1.0117	0.9566
174	1.0467	0.9896	0.9355
175	1.0242	0.9681	0.9150
176	1.0023	0.9472	0.8950
177	0.9809	0.9268	0.8756
178	0.9601	0.9069	0.8566
179	0.9397	0.8875	0.8381
180	0.9199	0.8686	0.8200
181	0.9006	0.8501	0.8024
182	0.8817	0.8321	0.7853
183	0.8633	0.8146	0.7686
184	0.8454	0.7975	0.7523
185	0.8279	0.7808	0.7364
186	0.8108	0.7646	0.7209
187	0.7941	0.7487	0.7058
188	0.7779	0.7332	0.6911
189	0.7620	0.7181	0.6767
190	0.7465	0.7034	0.6627
191	0.7314	0.6890	0.6490
192	0.7166	0.6749	0.6356
193	0.7022	0.6612	0.6226
194	0.6882	0.6479	0.6099
195	0.6744	0.6348	0.5975
196	0.6610	0.6221	0.5853
197	0.6479	0.6096	0.5735
198	0.6351	0.5975	0.5620



Temp	Rmax	Rcent	Rmin
(°C)	(KΩ)	(KΩ)	(KΩ)
199	0.6227	0.5856	0.5507
200	0.6105	0.5740	0.5397
201	0.5985	0.5627	0.5290
202	0.5869	0.5517	0.5185
203	0.5755	0.5409	0.5082
204	0.5644	0.5303	0.4982
205	0.5536	0.5200	0.4884
206	0.5430	0.5099	0.4789
207	0.5326	0.5001	0.4696
208	0.5225	0.4905	0.4604
209	0.5126	0.4811	0.4515
210	0.5029	0.4719	0.4428
211	0.4934	0.4630	0.4343
212	0.4842	0.4542	0.4260
213	0.4751	0.4456	0.4179
214	0.4663	0.4372	0.4100
215	0.4576	0.4290	0.4022
216	0.4492	0.4210	0.3946
217	0.4409	0.4132	0.3872
218	0.4328	0.4055	0.3800
219	0.4249	0.3980	0.3729
220	0.4171	0.3907	0.3660
221	0.4096	0.3836	0.3592
222	0.4021	0.3765	0.3525
223	0.3949	0.3697	0.3461
224	0.3878	0.3630	0.3397
225	0.3809	0.3564	0.3335
226	0.3741	0.3500	0.3274
227	0.3674	0.3437	0.3215
228	0.3609	0.3376	0.3157
229	0.3545	0.3315	0.3100
230	0.3483	0.3257	0.3045
231	0.3422	0.3199	0.2990
232	0.3362	0.3142	0.2937
233	0.3304	0.3087	0.2885
234	0.3246	0.3033	0.2834
235	0.3190	0.2980	0.2784
236	0.3135	0.2928	0.2735
237	0.3081	0.2878	0.2687
238	0.3029	0.2828	0.2640
239	0.2977	0.2779	0.2594
240	0.2927	0.2732	0.2549



Temp	Rmax	Rcent	Rmin
(°C)	(KΩ)	(KΩ)	(KΩ)
241	0.2877	0.2685	0.2505
242	0.2829	0.2639	0.2462
243	0.2781	0.2594	0.2420
244	0.2734	0.2550	0.2379
245	0.2689	0.2507	0.2338
246	0.2644	0.2465	0.2298
247	0.2600	0.2424	0.2259
248	0.2557	0.2384	0.2221
249	0.2515	0.2344	0.2184
250	0.2474	0.2305	0.2148
251	0.2433	0.2267	0.2112
252	0.2394	0.2230	0.2077
253	0.2355	0.2193	0.2042
254	0.2317	0.2157	0.2009
255	0.2279	0.2122	0.1976
256	0.2243	0.2088	0.1943
257	0.2207	0.2054	0.1911
258	0.2172	0.2021	0.1880
259	0.2137	0.1988	0.1850
260	0.2103	0.1957	0.1820
261	0.2070	0.1925	0.1791
262	0.2037	0.1895	0.1762
263	0.2005	0.1865	0.1734
264	0.1974	0.1835	0.1706
265	0.1943	0.1806	0.1679
266	0.1913	0.1778	0.1652
267	0.1884	0.1750	0.1626
268	0.1855	0.1723	0.1601
269	0.1826	0.1696	0.1575
270	0.1798	0.1670	0.1551
271	0.1771	0.1644	0.1527
272	0.1744	0.1619	0.1503
273	0.1717	0.1594	0.1480
274	0.1691	0.1570	0.1457
275	0.1666	0.1546	0.1435
276	0.1641	0.1522	0.1413
277	0.1616	0.1499	0.1391
278	0.1592	0.1477	0.1370
279	0.1568	0.1455	0.1349
280	0.1545	0.1433	0.1329
281	0.1522	0.1412	0.1309
282	0.1500	0.1391	0.1289





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Temp (°C)	Rmax (KΩ)	Rcent (KΩ)	Rmin (KΩ)
283	0.1478	0.1370	0.1270
284	0.1456	0.1350	0.1251
285	0.1435	0.1330	0.1232
286	0.1414	0.1310	0.1214
287	0.1394	0.1291	0.1196
288	0.1374	0.1272	0.1179
289	0.1354	0.1254	0.1161
290	0.1335	0.1236	0.1144
291	0.1316	0.1218	0.1128
292	0.1297	0.1201	0.1111
293	0.1279	0.1183	0.1095
294	0.1260	0.1166	0.1079
295	0.1243	0.1150	0.1064
296	0.1225	0.1134	0.1049
297	0.1208	0.1118	0.1034
298	0.1191	0.1102	0.1019
299	0.1175	0.1086	0.1005
300	0.1158	0.1071	0.0990