

TEMPERATURE VS RESISTANCE TABLE**Resistance 50k Ohms at 25deg. C****Resistance Tolerance + / -1%****B Value 4100K at 25/50deg. C****B Value Tolerance + / - 1 %**

Temp. (deg. C)	Rmax (k Ohms)	Rnor (k Ohms)	Rmin (k Ohms)
-45	2541.6064	2420.6794	2305.2751
-44	2368.0818	2256.9905	2150.8955
-43	2207.6162	2105.5149	2007.9349
-42	2059.1409	1965.2607	1875.4733
-41	1921.6799	1835.3220	1752.6696
-40	1794.3444	1714.8724	1638.7563
-39	1676.3214	1603.1563	1533.0313
-38	1566.8696	1499.4838	1434.8525
-37	1465.3101	1403.2227	1343.6316
-36	1371.0232	1313.7958	1258.8312
-35	1283.4408	1230.6732	1179.9572
-34	1202.0430	1153.3700	1106.5571
-33	1126.3539	1081.4419	1038.2168
-32	1055.9364	1014.4803	974.5544
-31	990.3897	952.1110	915.2202
-30	929.3464	893.9899	859.8925
-29	872.4685	839.8008	808.2755
-28	819.4456	789.2531	760.0970
-27	769.9924	742.0792	715.1064
-26	723.8464	698.0331	673.0729
-25	680.7657	656.8877	633.7838
-24	640.5280	618.4343	597.0428
-23	602.9280	582.4799	562.6691
-22	567.7766	548.8470	530.4955
-21	534.8996	517.3716	500.3679
-20	504.1358	487.9019	472.1436
-19	475.3366	460.2981	445.6908
-18	448.3647	434.4308	420.8877
-17	423.0932	410.1801	397.6214
-16	399.4046	387.4355	375.7875
-15	377.1905	366.0945	355.2893
-14	356.3503	346.0619	336.0370
-13	336.7907	327.2499	317.9477
-12	318.4257	309.5770	300.9442
-11	301.1751	292.9673	284.9547
-10	284.9649	277.3508	269.9131

-9	269.7263	262.6622	255.7576
-8	255.3953	248.8411	242.4308
-7	241.9127	235.8311	229.8793
-6	229.2233	223.5799	218.0537
-5	217.2760	212.0390	206.9077
-4	206.0230	201.1632	196.3984
-3	195.4201	190.9102	186.4858
-2	185.4259	181.2409	177.1326
-1	176.0022	172.1188	168.3042
0	167.1132	163.5097	159.9680
1	158.7254	155.3820	152.0938
2	150.8079	147.7061	144.6536
3	143.3316	140.4542	137.6209
4	136.2695	133.6007	130.9711
5	129.5963	127.1214	124.6813
6	123.2885	120.9939	118.7300
7	117.3241	115.1970	113.0972
8	111.6825	109.7112	107.7639
9	106.3445	104.5181	102.7127
10	101.2920	99.6004	97.9272
11	96.5083	94.9420	93.3918
12	91.9776	90.5280	89.0922
13	87.6852	86.3440	85.0149
14	83.6172	82.3770	81.1471
15	79.7608	78.6145	77.4770
16	76.1037	75.0449	73.9934
17	72.6347	71.6572	70.6858
18	69.3430	68.4413	67.5445
19	66.2187	65.3874	64.5601
20	63.2524	62.4867	61.7241
21	60.4353	59.7306	59.0282
22	57.7590	57.1111	56.4649
23	55.2158	54.6208	54.0268
24	52.7985	52.2527	51.7073
25	50.5000	50.0000	49.5000
26	48.3564	47.8566	47.3573
27	46.3153	45.8167	45.3189
28	44.3713	43.8746	43.3791
29	42.5193	42.0252	41.5328
30	40.7545	40.2637	39.7748
31	39.0723	38.5853	38.1006
32	37.4685	36.9858	36.5058
33	35.9390	35.4611	34.9861

34	34.4799	34.0072	33.5376
35	33.0878	32.6205	32.1567
36	31.7591	31.2977	30.8399
37	30.4907	30.0354	29.5838
38	29.2796	28.8305	28.3855
39	28.1228	27.6802	27.2418
40	27.0177	26.5818	26.1502
41	25.9618	25.5325	25.1079
42	24.9525	24.5301	24.1125
43	23.9876	23.5722	23.1616
44	23.0649	22.6565	22.2531
45	22.1824	21.7811	21.3848
46	21.3382	20.9439	20.5548
47	20.5303	20.1431	19.7612
48	19.7571	19.3770	19.0022
49	19.0169	18.6438	18.2762
50	18.3082	17.9421	17.5815
51	17.6294	17.2702	16.9167
52	16.9791	16.6269	16.2804
53	16.3560	16.0107	15.6711
54	15.7589	15.4204	15.0877
55	15.1865	14.8548	14.5288
56	14.6378	14.3127	13.9934
57	14.1115	13.7930	13.4803
58	13.6067	13.2947	12.9886
59	13.1225	12.8169	12.5172
60	12.6578	12.3585	12.0651
61	12.2118	11.9188	11.6316
62	11.7837	11.4968	11.2158
63	11.3727	11.0918	10.8168
64	10.9780	10.7030	10.4339
65	10.5989	10.3297	10.0664
66	10.2346	9.9712	9.7136
67	9.8846	9.6269	9.3749
68	9.5483	9.2960	9.0495
69	9.2250	8.9781	8.7370
70	8.9141	8.6726	8.4368
71	8.6152	8.3789	8.1482
72	8.3277	8.0965	7.8709
73	8.0512	7.8250	7.6044
74	7.7851	7.5638	7.3481
75	7.5290	7.3126	7.1016
76	7.2826	7.0708	6.8645

77	7.0454	6.8382	6.6365
78	6.8170	6.6143	6.4170
79	6.5970	6.3988	6.2059
80	6.3852	6.1913	6.0026
81	6.1811	5.9914	5.8070
82	5.9845	5.7989	5.6186
83	5.7950	5.6135	5.4372
84	5.6124	5.4348	5.2624
85	5.4363	5.2627	5.0941
86	5.2666	5.0968	4.9319
87	5.1030	4.9368	4.7756
88	4.9451	4.7826	4.6249
89	4.7929	4.6339	4.4797
90	4.6460	4.4905	4.3397
91	4.5043	4.3521	4.2047
92	4.3675	4.2186	4.0745
93	4.2355	4.0899	3.9489
94	4.1080	3.9656	3.8277
95	3.9850	3.8456	3.7108
96	3.8662	3.7298	3.5979
97	3.7514	3.6180	3.4890
98	3.6406	3.5100	3.3839
99	3.5335	3.4058	3.2823
100	3.4300	3.3051	3.1843
101	3.3300	3.2077	3.0896
102	3.2334	3.1137	2.9982
103	3.1400	3.0229	2.9098
104	3.0496	2.9350	2.8245
105	2.9623	2.8502	2.7420
106	2.8779	2.7681	2.6622
107	2.7962	2.6887	2.5852
108	2.7171	2.6120	2.5107
109	2.6407	2.5378	2.4386
110	2.5667	2.4660	2.3689
111	2.4951	2.3965	2.3015
112	2.4258	2.3293	2.2364
113	2.3588	2.2642	2.1733
114	2.2938	2.2013	2.1123
115	2.2310	2.1403	2.0532
116	2.1701	2.0813	1.9961
117	2.1111	2.0242	1.9407
118	2.0540	1.9689	1.8872
119	1.9986	1.9153	1.8353

120	1.9450	1.8634	1.7851
121	1.8930	1.8131	1.7364
122	1.8427	1.7644	1.6893
123	1.7939	1.7172	1.6437
124	1.7466	1.6715	1.5995
125	1.7007	1.6271	1.5566
126	1.6562	1.5842	1.5151
127	1.6131	1.5425	1.4749
128	1.5712	1.5021	1.4358
129	1.5306	1.4629	1.3980
130	1.4913	1.4249	1.3613
131	1.4531	1.3880	1.3258
132	1.4160	1.3523	1.2913
133	1.3800	1.3176	1.2578
134	1.3451	1.2839	1.2254
135	1.3112	1.2512	1.1939
136	1.2783	1.2195	1.1633
137	1.2464	1.1888	1.1337
138	1.2154	1.1589	1.1049
139	1.1853	1.1299	1.0770
140	1.1560	1.1017	1.0499
141	1.1276	1.0744	1.0235
142	1.1000	1.0478	0.9980
143	1.0732	1.0220	0.9732
144	1.0471	0.9969	0.9491
145	1.0218	0.9726	0.9257
146	0.9972	0.9489	0.9029
147	0.9732	0.9259	0.8808
148	0.9500	0.9036	0.8593
149	0.9274	0.8819	0.8385
150	0.9054	0.8607	0.8182
151	0.8840	0.8402	0.7985
152	0.8632	0.8203	0.7794
153	0.8430	0.8009	0.7607
154	0.8233	0.7820	0.7426
155	0.8042	0.7636	0.7250
156	0.7856	0.7458	0.7079
157	0.7675	0.7284	0.6913
158	0.7498	0.7115	0.6751
159	0.7327	0.6951	0.6593
160	0.7160	0.6791	0.6440
161	0.6997	0.6635	0.6291
162	0.6839	0.6484	0.6146

163	0.6685	0.6336	0.6005
164	0.6535	0.6193	0.5867
165	0.6389	0.6053	0.5734
166	0.6247	0.5917	0.5603
167	0.6108	0.5784	0.5477
168	0.5974	0.5655	0.5353
169	0.5842	0.5529	0.5233
170	0.5714	0.5407	0.5116
171	0.5589	0.5288	0.5002
172	0.5468	0.5172	0.4891
173	0.5349	0.5058	0.4783
174	0.5234	0.4948	0.4678
175	0.5121	0.4841	0.4575
176	0.5011	0.4736	0.4475
177	0.4905	0.4634	0.4378
178	0.4800	0.4534	0.4283
179	0.4699	0.4437	0.4190
180	0.4599	0.4343	0.4100
181	0.4503	0.4251	0.4012
182	0.4408	0.4161	0.3927
183	0.4317	0.4073	0.3843
184	0.4227	0.3988	0.3761
185	0.4139	0.3904	0.3682
186	0.4054	0.3823	0.3605
187	0.3971	0.3743	0.3529
188	0.3889	0.3666	0.3455
189	0.3810	0.3591	0.3383
190	0.3732	0.3517	0.3313
191	0.3657	0.3445	0.3245
192	0.3583	0.3375	0.3178
193	0.3511	0.3306	0.3113
194	0.3441	0.3239	0.3049
195	0.3372	0.3174	0.2987
196	0.3305	0.3110	0.2927
197	0.3240	0.3048	0.2868
198	0.3176	0.2987	0.2810
199	0.3113	0.2928	0.2754
200	0.3052	0.2870	0.2698