



## Resistance & Temperature Table

$R_{25}=10K\Omega \pm 1\%$      $B_{25/85}=3435K \pm 1\%$

Temp (°C)	Rmin (KΩ)	Rcent (KΩ)	Rmax (KΩ)	DR %	DT (°C)
-50	348.5	364.9	382	4.70%	0.73
-49	328.2	343.4	359.4	4.64%	0.73
-48	309.2	323.4	338.2	4.57%	0.73
-47	291.5	304.6	318.4	4.51%	0.72
-46	274.8	287.1	299.8	4.45%	0.72
-45	259.2	270.6	282.5	4.39%	0.71
-44	244.6	255.2	266.3	4.33%	0.71
-43	231	240.8	251.1	4.26%	0.7
-42	218.1	227.3	236.9	4.20%	0.7
-41	206.1	214.6	223.5	4.14%	0.69
-40	194.8	202.7	211	4.09%	0.69
-39	184.1	191.6	199.3	4.03%	0.69
-38	174.2	181.1	188.3	3.97%	0.68
-37	164.8	171.3	178	3.91%	0.68
-36	156	162	168.3	3.85%	0.67
-35	147.7	153.3	159.1	3.80%	0.67
-34	139.9	145.2	150.6	3.74%	0.66
-33	132.6	137.5	142.5	3.68%	0.66
-32	125.7	130.2	135	3.63%	0.65
-31	119.2	123.4	127.8	3.57%	0.65
-30	113	117	121.1	3.52%	0.64
-29	107.3	111	114.8	3.46%	0.64
-28	101.8	105.3	108.9	3.41%	0.63
-27	96.68	99.94	103.3	3.35%	0.63
-26	91.84	94.88	98.01	3.30%	0.62
-25	87.27	90.11	93.03	3.25%	0.61
-24	82.95	85.61	88.34	3.19%	0.61
-23	78.88	81.36	83.92	3.14%	0.6
-22	75.03	77.35	79.74	3.09%	0.6
-21	71.39	73.56	75.79	3.04%	0.59
-20	67.94	69.98	72.07	2.98%	0.59
-19	64.69	66.59	68.55	2.93%	0.58
-18	61.61	63.39	65.22	2.88%	0.57
-17	58.7	60.37	62.08	2.83%	0.57
-16	55.94	57.5	59.1	2.78%	0.56
-15	53.33	54.79	56.29	2.73%	0.56
-14	50.86	52.23	53.63	2.68%	0.55
-13	48.51	49.79	51.11	2.63%	0.54
-12	46.29	47.49	48.72	2.59%	0.54



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Temp (°C)	Rmin (KΩ)	Rcent (KΩ)	Rmax (KΩ)	DR %	DT (°C)
-11	44.18	45.31	46.46	2.54%	0.53
-10	42.18	43.24	44.32	2.49%	0.53
-9	40.29	41.28	42.28	2.44%	0.52
-8	38.49	39.41	40.36	2.39%	0.51
-7	36.78	37.65	38.53	2.35%	0.51
-6	35.16	35.97	36.8	2.30%	0.5
-5	33.62	34.38	35.15	2.25%	0.49
-4	32.15	32.87	33.59	2.21%	0.49
-3	30.76	31.43	32.11	2.16%	0.48
-2	29.44	30.07	30.7	2.12%	0.47
-1	28.18	28.77	29.36	2.07%	0.47
0	26.98	27.53	28.09	2.03%	0.46
1	25.84	26.36	26.88	1.98%	0.45
2	24.76	25.24	25.73	1.94%	0.44
3	23.73	24.18	24.64	1.90%	0.44
4	22.74	23.17	23.6	1.85%	0.43
5	21.81	22.2	22.6	1.81%	0.42
6	20.91	21.28	21.66	1.77%	0.42
7	20.06	20.41	20.76	1.72%	0.41
8	19.25	19.58	19.9	1.68%	0.4
9	18.48	18.78	19.09	1.64%	0.39
10	17.74	18.02	18.31	1.60%	0.39
11	17.03	17.3	17.57	1.56%	0.38
12	16.36	16.61	16.86	1.51%	0.37
13	15.72	15.95	16.19	1.47%	0.36
14	15.1	15.32	15.54	1.43%	0.36
15	14.52	14.72	14.93	1.39%	0.35
16	13.96	14.15	14.34	1.35%	0.34
17	13.42	13.6	13.78	1.31%	0.33
18	12.91	13.08	13.24	1.27%	0.32
19	12.42	12.58	12.73	1.23%	0.32
20	11.96	12.1	12.24	1.19%	0.31
21	11.51	11.64	11.78	1.15%	0.3
22	11.08	11.2	11.33	1.11%	0.29
23	10.67	10.78	10.9	1.08%	0.28
24	10.28	10.38	10.49	1.04%	0.27
25	9.9	10	10.1	1.00%	0.27
26	9.533	9.633	9.732	1.04%	0.28
27	9.181	9.281	9.38	1.08%	0.29
28	8.844	8.943	9.043	1.11%	0.3



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Temp (°C)	Rmin (KΩ)	Rcent (KΩ)	Rmax (KΩ)	DR %	DT (°C)
29	8.521	8.62	8.719	1.15%	0.31
30	8.212	8.31	8.409	1.19%	0.33
31	7.916	8.014	8.112	1.22%	0.34
32	7.632	7.729	7.826	1.26%	0.35
33	7.36	7.456	7.552	1.30%	0.36
34	7.098	7.194	7.29	1.33%	0.38
35	6.848	6.942	7.037	1.37%	0.39
36	6.608	6.701	6.795	1.41%	0.4
37	6.377	6.469	6.563	1.44%	0.41
38	6.156	6.247	6.339	1.48%	0.43
39	5.943	6.033	6.125	1.51%	0.44
40	5.739	5.828	5.918	1.55%	0.45
41	5.543	5.631	5.72	1.58%	0.46
42	5.354	5.442	5.529	1.62%	0.48
43	5.173	5.259	5.346	1.65%	0.49
44	4.999	5.084	5.17	1.69%	0.5
45	4.832	4.916	5	1.72%	0.52
46	4.671	4.754	4.837	1.75%	0.53
47	4.517	4.598	4.68	1.79%	0.54
48	4.368	4.448	4.529	1.82%	0.56
49	4.225	4.304	4.384	1.86%	0.57
50	4.087	4.165	4.243	1.89%	0.58
51	3.955	4.031	4.108	1.92%	0.6
52	3.827	3.902	3.978	1.95%	0.61
53	3.704	3.778	3.853	1.99%	0.63
54	3.586	3.659	3.732	2.02%	0.64
55	3.472	3.543	3.616	2.05%	0.65
56	3.362	3.432	3.504	2.09%	0.67
57	3.256	3.325	3.396	2.12%	0.68
58	3.154	3.222	3.291	2.15%	0.7
59	3.056	3.123	3.191	2.18%	0.71
60	2.961	3.027	3.094	2.21%	0.72
61	2.869	2.934	3	2.25%	0.74
62	2.781	2.845	2.91	2.28%	0.75
63	2.696	2.759	2.822	2.31%	0.77
64	2.614	2.676	2.738	2.34%	0.78
65	2.535	2.595	2.657	2.37%	0.8
66	2.458	2.518	2.578	2.40%	0.81
67	2.385	2.443	2.502	2.43%	0.83
68	2.313	2.371	2.429	2.46%	0.84



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Temp (°C)	Rmin (KΩ)	Rcent (KΩ)	Rmax (KΩ)	DR %	DT (°C)
69	2.245	2.301	2.358	2.50%	0.86
70	2.178	2.233	2.29	2.53%	0.87
71	2.114	2.168	2.223	2.56%	0.89
72	2.052	2.105	2.159	2.59%	0.9
73	1.992	2.044	2.098	2.62%	0.92
74	1.934	1.985	2.038	2.65%	0.93
75	1.878	1.928	1.98	2.68%	0.95
76	1.824	1.873	1.924	2.71%	0.96
77	1.771	1.82	1.87	2.74%	0.98
78	1.721	1.768	1.817	2.77%	1
79	1.672	1.719	1.767	2.79%	1.01
80	1.624	1.67	1.718	2.82%	1.03
81	1.578	1.624	1.67	2.85%	1.04
82	1.534	1.578	1.624	2.88%	1.06
83	1.491	1.535	1.579	2.91%	1.08
84	1.45	1.492	1.536	2.94%	1.09
85	1.409	1.451	1.494	2.97%	1.11
86	1.37	1.412	1.454	3.00%	1.12
87	1.333	1.373	1.415	3.03%	1.14
88	1.296	1.336	1.377	3.05%	1.16
89	1.261	1.3	1.34	3.08%	1.17
90	1.226	1.265	1.304	3.11%	1.19
91	1.193	1.231	1.269	3.14%	1.21
92	1.161	1.198	1.236	3.17%	1.22
93	1.13	1.166	1.203	3.19%	1.24
94	1.1	1.135	1.172	3.22%	1.26
95	1.07	1.105	1.141	3.25%	1.28
96	1.042	1.076	1.111	3.28%	1.29
97	1.014	1.048	1.082	3.30%	1.31
98	0.987	1.02	1.054	3.33%	1.33
99	0.962	0.994	1.027	3.36%	1.34
100	0.936	0.968	1.001	3.39%	1.36
101	0.912	0.943	0.975	3.41%	1.38
102	0.888	0.919	0.951	3.44%	1.4
103	0.865	0.895	0.926	3.47%	1.41
104	0.843	0.873	0.903	3.49%	1.43
105	0.821	0.85	0.88	3.52%	1.45
106	0.8	0.829	0.858	3.55%	1.47
107	0.78	0.808	0.837	3.57%	1.48
108	0.76	0.788	0.816	3.60%	1.5



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Temp (°C)	Rmin (KΩ)	Rcent (KΩ)	Rmax (KΩ)	DR %	DT (°C)
109	0.741	0.768	0.796	3.63%	1.52
110	0.722	0.749	0.776	3.65%	1.54
111	0.704	0.73	0.757	3.68%	1.56
112	0.686	0.712	0.738	3.70%	1.58
113	0.669	0.694	0.72	3.73%	1.59
114	0.653	0.677	0.703	3.76%	1.61
115	0.636	0.661	0.686	3.78%	1.63
116	0.621	0.644	0.669	3.81%	1.65
117	0.605	0.629	0.653	3.83%	1.67
118	0.591	0.613	0.637	3.86%	1.69
119	0.576	0.599	0.622	3.88%	1.71
120	0.562	0.584	0.607	3.91%	1.72
121	0.549	0.57	0.593	3.93%	1.74
122	0.535	0.557	0.579	3.96%	1.76
123	0.522	0.543	0.565	3.99%	1.78
124	0.51	0.53	0.552	4.01%	1.8
125	0.498	0.518	0.539	4.04%	1.82
126	0.486	0.506	0.526	4.06%	1.84
127	0.474	0.494	0.514	4.08%	1.86
128	0.463	0.482	0.502	4.11%	1.88
129	0.452	0.471	0.49	4.13%	1.9
130	0.441	0.46	0.479	4.16%	1.92
131	0.431	0.449	0.468	4.18%	1.94
132	0.421	0.439	0.457	4.21%	1.96
133	0.411	0.429	0.447	4.23%	1.98
134	0.402	0.419	0.437	4.26%	2
135	0.392	0.409	0.427	4.28%	2.02
136	0.383	0.4	0.417	4.30%	2.04
137	0.375	0.391	0.408	4.33%	2.06
138	0.366	0.382	0.399	4.35%	2.08
139	0.358	0.373	0.39	4.38%	2.1
140	0.35	0.365	0.381	4.40%	2.12
141	0.342	0.357	0.373	4.40%	2.14
142	0.334	0.349	0.364	4.40%	2.16
143	0.326	0.341	0.356	4.50%	2.18
144	0.319	0.334	0.349	4.50%	2.2
145	0.312	0.326	0.341	4.50%	2.22
146	0.305	0.319	0.333	4.50%	2.24
147	0.298	0.312	0.326	4.60%	2.26
148	0.292	0.305	0.319	4.60%	2.28



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Temp (°C)	Rmin (KΩ)	Rcent (KΩ)	Rmax (KΩ)	DR %	DT (°C)
149	0.285	0.299	0.312	4.60%	2.3
150	0.279	0.292	0.306	4.60%	2.33
151	0.273	0.286	0.299	4.70%	2.35
152	0.267	0.28	0.293	4.70%	2.37
153	0.261	0.274	0.286	4.70%	2.39
154	0.256	0.268	0.28	4.70%	2.41
155	0.25	0.262	0.275	4.70%	2.43
156	0.245	0.257	0.269	4.80%	2.45
157	0.24	0.251	0.263	4.80%	2.48
158	0.235	0.246	0.258	4.80%	2.5
159	0.23	0.241	0.252	4.80%	2.52
160	0.225	0.236	0.247	4.90%	2.54
161	0.22	0.231	0.242	4.90%	2.56
162	0.215	0.226	0.237	4.90%	2.59
163	0.211	0.221	0.232	4.90%	2.61
164	0.207	0.217	0.228	4.90%	2.63
165	0.202	0.212	0.223	5.00%	2.65
166	0.198	0.208	0.218	5.00%	2.68
167	0.194	0.204	0.214	5.00%	2.7
168	0.19	0.2	0.21	5.00%	2.72
169	0.186	0.196	0.206	5.10%	2.74
170	0.183	0.192	0.202	5.10%	2.77
171	0.179	0.188	0.198	5.10%	2.79
172	0.175	0.184	0.194	5.10%	2.81
173	0.172	0.181	0.19	5.10%	2.83
174	0.168	0.177	0.186	5.20%	2.86
175	0.165	0.174	0.183	5.20%	2.88
176	0.162	0.17	0.179	5.20%	2.9
177	0.159	0.167	0.176	5.20%	2.93
178	0.156	0.164	0.172	5.20%	2.95
179	0.153	0.161	0.169	5.30%	2.97
180	0.15	0.158	0.166	5.30%	3
181	0.147	0.155	0.163	5.30%	3.02
182	0.144	0.152	0.16	5.30%	3.04
183	0.141	0.149	0.157	5.30%	3.07
184	0.139	0.146	0.154	5.40%	3.09
185	0.136	0.143	0.151	5.40%	3.12
186	0.134	0.141	0.148	5.40%	3.14
187	0.131	0.138	0.146	5.40%	3.16
188	0.129	0.136	0.143	5.40%	3.19



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Temp (°C)	Rmin (KΩ)	Rcent (KΩ)	Rmax (KΩ)	DR %	DT (°C)
189	0.126	0.133	0.14	5.50%	3.21
190	0.124	0.131	0.138	5.50%	3.24
191	0.122	0.128	0.136	5.50%	3.26
192	0.12	0.126	0.133	5.50%	3.29
193	0.117	0.124	0.131	5.50%	3.31
194	0.115	0.122	0.129	5.60%	3.33
195	0.113	0.12	0.126	5.60%	3.36
196	0.111	0.118	0.124	5.60%	3.38
197	0.109	0.116	0.122	5.60%	3.41
198	0.108	0.114	0.12	5.60%	3.43
199	0.106	0.112	0.118	5.60%	3.46
200	0.104	0.11	0.116	5.70%	3.48
201	0.102	0.108	0.114	5.70%	3.51
202	0.1	0.106	0.112	5.70%	3.54
203	0.099	0.104	0.11	5.70%	3.56
204	0.097	0.103	0.109	5.70%	3.59
205	0.096	0.101	0.107	5.70%	3.61
206	0.094	0.1	0.105	5.80%	3.64
207	0.093	0.098	0.104	5.80%	3.66
208	0.091	0.096	0.102	5.80%	3.69
209	0.09	0.095	0.1	5.80%	3.72
210	0.088	0.093	0.099	5.80%	3.74
211	0.087	0.092	0.097	5.80%	3.77
212	0.086	0.091	0.096	5.90%	3.79
213	0.084	0.089	0.095	5.90%	3.82
214	0.083	0.088	0.093	5.90%	3.85
215	0.082	0.087	0.092	5.90%	3.87
216	0.081	0.085	0.09	5.90%	3.9
217	0.079	0.084	0.089	5.90%	3.93
218	0.078	0.083	0.088	6.00%	3.95
219	0.077	0.082	0.087	6.00%	3.98
220	0.076	0.081	0.086	6.00%	4.01
221	0.075	0.08	0.084	6.00%	4.03
222	0.074	0.079	0.083	6.00%	4.06
223	0.073	0.077	0.082	6.00%	4.09
224	0.072	0.076	0.081	6.00%	4.12
225	0.071	0.075	0.08	6.10%	4.14
226	0.07	0.074	0.079	6.10%	4.17
227	0.069	0.074	0.078	6.10%	4.2
228	0.068	0.073	0.077	6.10%	4.23



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229	0.068	0.072	0.076	6.10%	4.25
230	0.067	0.071	0.075	6.10%	4.28
231	0.066	0.07	0.074	6.10%	4.31
232	0.065	0.069	0.073	6.20%	4.34
233	0.064	0.068	0.073	6.20%	4.37
234	0.064	0.068	0.072	6.20%	4.39
235	0.063	0.067	0.071	6.20%	4.42
236	0.062	0.066	0.07	6.20%	4.45
237	0.062	0.065	0.07	6.20%	4.48
238	0.061	0.065	0.069	6.20%	4.51
239	0.06	0.064	0.068	6.20%	4.54
240	0.06	0.063	0.067	6.20%	4.56
241	0.059	0.063	0.067	6.30%	4.59
242	0.059	0.062	0.066	6.30%	4.62
243	0.058	0.062	0.066	6.30%	4.65
244	0.057	0.061	0.065	6.30%	4.68
245	0.057	0.061	0.064	6.30%	4.71
246	0.056	0.06	0.064	6.30%	4.74
247	0.056	0.06	0.063	6.30%	4.77
248	0.056	0.059	0.063	6.30%	4.8
249	0.055	0.059	0.062	6.30%	4.83
250	0.055	0.058	0.062	6.30%	4.86