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DATA FOR REFERENCE

Resistance 5.00k ohms at 25 Degree C
 Resistance Tolerance $\pm 0.5 \%$
 B Value 3976K at 25/85 Degree C
 B Value Tolerance $\pm 0.5 \%$
 Remark : The resistance values may vary slightly as the testing temperature (37 °C) is ± 0.03 C in accuracy.

Temp. (°C)	Rmax. (k Ω)	Rst. (k Ω)	Rmin. (k Ω)	Tolerance (°C)
-60	576.4	560.2	544.3	-0.39 + 0.39
-59	534.8	519.9	505.4	-0.38 + 0.39
-58	496.5	482.8	469.5	-0.38 + 0.38
-57	461.3	448.7	436.5	-0.38 + 0.38
-56	428.8	417.3	406.1	-0.38 + 0.38
-55	398.9	388.4	378.1	-0.38 + 0.38
-54	371.4	361.7	352.2	-0.38 + 0.38
-53	345.9	337.0	328.3	-0.37 + 0.38
-52	322.5	314.2	306.2	-0.37 + 0.37
-51	300.8	293.2	285.8	-0.37 + 0.37
-50	280.7	273.7	266.9	-0.37 + 0.37
-49	262.1	255.7	249.4	-0.37 + 0.37
-48	244.9	239.0	233.2	-0.37 + 0.37
-47	229.0	223.5	218.2	-0.36 + 0.37
-46	214.3	209.2	204.3	-0.36 + 0.36
-45	200.6	195.9	191.3	-0.36 + 0.36
-44	187.9	183.5	179.3	-0.36 + 0.36
-43	176.1	172.1	168.1	-0.36 + 0.36
-42	165.1	161.4	157.8	-0.36 + 0.36
-41	154.9	151.5	148.1	-0.35 + 0.35
-40	145.4	142.2	139.1	-0.35 + 0.35
-39	136.4	133.5	130.6	-0.34 + 0.34
-38	128.1	125.3	122.7	-0.34 + 0.34
-37	120.3	117.8	115.3	-0.34 + 0.34
-36	113.0	110.7	108.4	-0.34 + 0.34
-35	106.3	104.1	102.0	-0.33 + 0.34
-34	99.92	97.95	96.02	-0.33 + 0.33

-33	94.04	92.22	90.42	-0.33 + 0.33
-32	88.56	86.86	85.20	-0.33 + 0.33
-31	83.43	81.86	80.31	-0.33 + 0.33
-30	78.64	77.18	75.74	-0.32 + 0.32
-29	74.10	72.74	71.41	-0.32 + 0.32
-28	69.85	68.59	67.36	-0.31 + 0.32
-27	65.88	64.71	63.57	-0.31 + 0.31
-26	62.16	61.08	60.01	-0.31 + 0.31
-25	58.69	57.68	56.69	-0.31 + 0.31
-24	55.43	54.49	53.57	-0.30 + 0.30
-23	52.37	51.50	50.65	-0.30 + 0.30
-22	49.51	48.70	47.91	-0.30 + 0.30
-21	46.83	46.07	45.33	-0.30 + 0.30
-20	44.31	43.61	42.92	-0.29 + 0.29
-19	41.91	41.26	40.62	-0.29 + 0.29
-18	39.66	39.05	38.46	-0.28 + 0.28
-17	37.54	36.98	36.43	-0.28 + 0.28
-16	35.56	35.03	34.52	-0.28 + 0.28
-15	33.69	33.20	32.72	-0.28 + 0.28
-14	31.94	31.48	31.03	-0.27 + 0.27
-13	30.29	29.86	29.44	-0.27 + 0.27
-12	28.73	28.34	27.95	-0.27 + 0.27
-11	27.27	26.90	26.54	-0.26 + 0.26
-10	25.89	25.55	25.21	-0.26 + 0.26
-9	24.57	24.25	23.94	-0.25 + 0.25
-8	23.33	23.04	22.74	-0.25 + 0.25
-7	22.17	21.89	21.61	-0.25 + 0.25
-6	21.06	20.81	20.55	-0.24 + 0.25
-5	20.02	19.78	19.54	-0.24 + 0.24
-4	19.04	18.82	18.60	-0.24 + 0.24
-3	18.12	17.91	17.70	-0.23 + 0.24
-2	17.24	17.05	16.85	-0.23 + 0.23
-1	16.42	16.23	16.05	-0.23 + 0.23
0	15.63	15.46	15.29	-0.22 + 0.22
1	14.89	14.73	14.57	-0.22 + 0.22
2	14.18	14.03	13.89	-0.22 + 0.22
3	13.51	13.38	13.24	-0.21 + 0.21
4	12.88	12.75	12.62	-0.21 + 0.21
5	12.28	12.16	12.04	-0.20 + 0.21
6	11.72	11.60	11.49	-0.20 + 0.20
7	11.18	11.08	10.97	-0.20 + 0.20
8	10.67	10.57	10.48	-0.19 + 0.19
9	10.19	10.10	10.01	-0.19 + 0.19
10	9.729	9.648	9.568	-0.19 + 0.19
11	9.291	9.216	9.141	-0.18 + 0.18

12	8.875	8.806	8.736	-0.18 +0.18
13	8.481	8.416	8.352	-0.17 +0.17
14	8.107	8.047	7.987	-0.17 +0.17
15	7.752	7.696	7.641	-0.17 +0.17
16	7.414	7.363	7.311	-0.16 +0.16
17	7.094	7.046	6.998	-0.16 +0.16
18	6.789	6.745	6.701	-0.15 +0.15
19	6.500	6.459	6.418	-0.15 +0.15
20	6.225	6.186	6.148	-0.15 +0.15
21	5.960	5.925	5.890	-0.14 +0.14
22	5.709	5.676	5.644	-0.14 +0.14
23	5.470	5.440	5.410	-0.13 +0.13
24	5.242	5.215	5.187	-0.13 +0.13
25	5.025	5.000	4.975	-0.12 +0.12
26	4.820	4.795	4.769	-0.13 +0.13
27	4.625	4.599	4.574	-0.14 +0.14
28	4.438	4.413	4.388	-0.14 +0.14
29	4.260	4.235	4.210	-0.15 +0.15
30	4.091	4.066	4.041	-0.15 +0.15
31	3.927	3.902	3.877	-0.16 +0.16
32	3.770	3.745	3.721	-0.16 +0.16
33	3.621	3.596	3.572	-0.17 +0.17
34	3.478	3.454	3.430	-0.17 +0.18
35	3.342	3.318	3.294	-0.18 +0.18
36	3.212	3.188	3.165	-0.19 +0.19
37	3.088	3.065	3.041	-0.19 +0.19
38	2.969	2.946	2.923	-0.20 +0.20
39	2.856	2.833	2.811	-0.21 +0.21
40	2.748	2.725	2.703	-0.21 +0.21
41	2.640	2.618	2.596	-0.21 +0.21
42	2.538	2.516	2.494	-0.22 +0.22
43	2.440	2.418	2.397	-0.22 +0.22
44	2.346	2.325	2.304	-0.23 +0.23
45	2.257	2.236	2.215	-0.24 +0.24
46	2.171	2.151	2.131	-0.24 +0.24
47	2.089	2.069	2.049	-0.25 +0.25
48	2.011	1.992	1.972	-0.26 +0.26
49	1.936	1.917	1.898	-0.26 +0.26
50	1.865	1.846	1.827	-0.27 +0.26
51	1.795	1.776	1.758	-0.27 +0.27
52	1.728	1.710	1.691	-0.28 +0.28
53	1.664	1.646	1.628	-0.28 +0.28
54	1.603	1.585	1.568	-0.29 +0.29
55	1.544	1.527	1.510	-0.30 +0.30
56	1.488	1.471	1.454	-0.30 +0.30

57	1.434	1.417	1.401	-0.31 + 0.31
58	1.382	1.366	1.350	-0.32 + 0.32
59	1.333	1.317	1.301	-0.32 + 0.33
60	1.286	1.270	1.255	-0.33 + 0.33
61	1.240	1.224	1.209	-0.33 + 0.33
62	1.195	1.180	1.166	-0.34 + 0.34
63	1.153	1.138	1.124	-0.35 + 0.35
64	1.112	1.098	1.084	-0.35 + 0.36
65	1.073	1.059	1.045	-0.36 + 0.36
66	1.036	1.022	1.009	-0.37 + 0.37
67	0.9998	0.9867	0.9738	-0.38 + 0.38
68	0.9654	0.9526	0.9400	-0.38 + 0.38
69	0.9323	0.9198	0.9075	-0.39 + 0.39
70	0.9006	0.8884	0.8763	-0.40 + 0.39
71	0.8698	0.8578	0.8460	-0.40 + 0.40
72	0.8401	0.8284	0.8169	-0.41 + 0.41
73	0.8117	0.8002	0.7889	-0.41 + 0.42
74	0.7843	0.7731	0.7621	-0.42 + 0.42
75	0.7581	0.7471	0.7363	-0.43 + 0.43
76	0.7328	0.7221	0.7115	-0.44 + 0.44
77	0.7086	0.6981	0.6877	-0.44 + 0.45
78	0.6852	0.6750	0.6649	-0.45 + 0.45
79	0.6628	0.6528	0.6429	-0.46 + 0.46
80	0.6412	0.6314	0.6217	-0.47 + 0.46
81	0.6203	0.6107	0.6013	-0.47 + 0.47
82	0.6002	0.5908	0.5815	-0.48 + 0.48
83	0.5808	0.5716	0.5626	-0.49 + 0.49
84	0.5622	0.5532	0.5444	-0.49 + 0.50
85	0.5442	0.5355	0.5268	-0.50 + 0.50
86	0.5269	0.5183	0.5098	-0.51 + 0.51
87	0.5102	0.5018	0.4935	-0.51 + 0.52
88	0.4941	0.4858	0.4778	-0.52 + 0.52
89	0.4785	0.4705	0.4626	-0.53 + 0.53
90	0.4636	0.4558	0.4480	-0.54 + 0.54
91	0.4491	0.4415	0.4339	-0.54 + 0.55
92	0.4352	0.4277	0.4203	-0.55 + 0.55
93	0.4217	0.4144	0.4072	-0.56 + 0.56
94	0.4088	0.4016	0.3945	-0.57 + 0.57
95	0.3963	0.3893	0.3824	-0.57 + 0.58
96	0.3842	0.3774	0.3706	-0.58 + 0.59
97	0.3726	0.3659	0.3593	-0.59 + 0.59
98	0.3614	0.3548	0.3484	-0.60 + 0.60
99	0.3506	0.3442	0.3379	-0.61 + 0.61
100	0.3402	0.3339	0.3277	-0.62 + 0.61
101	0.3300	0.3239	0.3178	-0.62 + 0.62

102	0.3202	0.3142	0.3083	-0.63 + 0.63
103	0.3108	0.3049	0.2991	-0.64 + 0.64
104	0.3016	0.2959	0.2902	-0.64 + 0.65
105	0.2928	0.2872	0.2817	-0.65 + 0.66
106	0.2843	0.2788	0.2734	-0.66 + 0.66
107	0.2761	0.2707	0.2654	-0.67 + 0.67
108	0.2682	0.2629	0.2577	-0.68 + 0.68
109	0.2605	0.2553	0.2502	-0.69 + 0.69
110	0.2531	0.2480	0.2430	-0.69 + 0.69
111	0.2459	0.2409	0.2360	-0.70 + 0.70
112	0.2389	0.2340	0.2293	-0.71 + 0.71
113	0.2321	0.2274	0.2227	-0.72 + 0.72
114	0.2256	0.2210	0.2164	-0.72 + 0.73
115	0.2193	0.2148	0.2103	-0.73 + 0.74
116	0.2132	0.2088	0.2044	-0.74 + 0.75
117	0.2073	0.2030	0.1987	-0.75 + 0.75
118	0.2016	0.1974	0.1932	-0.76 + 0.76
119	0.1961	0.1919	0.1878	-0.77 + 0.77
120	0.1908	0.1867	0.1827	-0.78 + 0.78
121	0.1856	0.1816	0.1776	-0.78 + 0.78
122	0.1805	0.1766	0.1728	-0.79 + 0.79
123	0.1757	0.1718	0.1681	-0.80 + 0.80
124	0.1709	0.1672	0.1635	-0.81 + 0.81
125	0.1664	0.1627	0.1591	-0.82 + 0.82
126	0.1619	0.1583	0.1548	-0.83 + 0.83
127	0.1577	0.1541	0.1506	-0.83 + 0.84
128	0.1535	0.1500	0.1466	-0.84 + 0.85
129	0.1495	0.1461	0.1428	-0.85 + 0.86
130	0.1456	0.1422	0.1390	-0.86 + 0.86
131	0.1418	0.1385	0.1353	-0.87 + 0.87
132	0.1381	0.1349	0.1318	-0.88 + 0.88
133	0.1345	0.1314	0.1283	-0.89 + 0.89
134	0.1311	0.1280	0.1250	-0.90 + 0.90
135	0.1277	0.1247	0.1218	-0.91 + 0.91
136	0.1245	0.1215	0.1186	-0.91 + 0.92
137	0.1213	0.1184	0.1156	-0.92 + 0.93
138	0.1183	0.1154	0.1127	-0.93 + 0.94
139	0.1153	0.1125	0.1098	-0.94 + 0.95
140	0.1124	0.1097	0.1070	-0.95 + 0.95
141	0.1096	0.1069	0.1043	-0.96 + 0.96
142	0.1069	0.1043	0.1017	-0.97 + 0.97
143	0.1043	0.1017	0.09922	-0.98 + 0.98
144	0.1017	0.09917	0.09675	-0.99 + 0.99
145	0.09915	0.09672	0.09435	-1.00 + 1.00
146	0.09673	0.09435	0.09203	-1.01 + 1.01

147	0.09438	0.09205	0.08977	-1.02 + 1.02
148	0.09210	0.08982	0.08758	-1.03 + 1.03
149	0.08989	0.08764	0.08546	-1.04 + 1.04
150	0.08774	0.08554	0.08339	-1.05 + 1.05