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DATA FOR REFERENCE

Resistance 10.00k ohms at 25 Degree C
 Resistance Tolerance $\pm 0.5 \%$
 B Value 3976K at 25/85 Degree C
 B Value Tolerance $\pm 0.5 \%$

Temp. (°C)	Rmax. (kΩ)	Rst. (kΩ)	Rmin. (kΩ)	Tolerance (°C)
-60	1238	1202	1167	-0.39 + 0.39
-59	1148	1115	1083	-0.39 + 0.39
-58	1065	1035	1006	-0.38 + 0.39
-57	988.2	961.0	934.6	-0.38 + 0.38
-56	918.0	893.1	868.9	-0.38 + 0.38
-55	853.4	830.6	808.3	-0.38 + 0.38
-54	793.9	772.9	752.5	-0.38 + 0.38
-53	739.0	719.7	700.9	-0.38 + 0.38
-52	688.4	670.7	653.4	-0.37 + 0.38
-51	641.6	625.3	609.4	-0.37 + 0.37
-50	598.4	583.4	568.7	-0.37 + 0.37
-49	558.5	544.6	531.1	-0.37 + 0.37
-48	521.5	508.8	496.3	-0.37 + 0.37
-47	487.3	475.5	464.0	-0.37 + 0.37
-46	455.6	444.7	434.1	-0.36 + 0.37
-45	426.2	416.2	406.4	-0.36 + 0.36
-44	398.9	389.7	380.6	-0.36 + 0.36
-43	373.6	365.1	356.7	-0.36 + 0.36
-42	350.1	342.2	334.5	-0.36 + 0.36
-41	328.3	321.0	313.8	-0.35 + 0.36
-40	308.0	301.2	294.6	-0.35 + 0.35
-39	288.7	282.5	276.4	-0.34 + 0.35
-38	270.8	265.1	259.4	-0.34 + 0.34
-37	254.2	248.8	243.6	-0.34 + 0.34
-36	238.7	233.7	228.9	-0.34 + 0.34
-35	224.3	219.7	215.2	-0.34 + 0.34
-34	210.8	206.6	202.4	-0.33 + 0.33
-33	198.3	194.3	190.5	-0.33 + 0.33

-32	186.6	182.9	179.3	-0.33 + 0.33
-31	175.6	172.2	168.9	-0.33 + 0.33
-30	165.4	162.3	159.2	-0.32 + 0.32
-29	155.7	152.8	149.9	-0.32 + 0.32
-28	146.7	144.0	141.3	-0.31 + 0.31
-27	138.2	135.7	133.2	-0.31 + 0.31
-26	130.3	128.0	125.7	-0.31 + 0.31
-25	122.9	120.7	118.6	-0.31 + 0.31
-24	116.0	113.9	111.9	-0.30 + 0.30
-23	109.5	107.6	105.7	-0.30 + 0.30
-22	103.4	101.6	99.97	-0.30 + 0.30
-21	97.66	96.07	94.51	-0.29 + 0.30
-20	92.32	90.85	89.40	-0.29 + 0.29
-19	87.24	85.88	84.53	-0.29 + 0.29
-18	82.48	81.21	79.96	-0.28 + 0.28
-17	78.02	76.84	75.67	-0.28 + 0.28
-16	73.83	72.73	71.65	-0.28 + 0.28
-15	69.89	68.87	67.86	-0.27 + 0.28
-14	66.19	65.24	64.31	-0.27 + 0.27
-13	62.72	61.83	60.96	-0.27 + 0.27
-12	59.45	58.62	57.81	-0.27 + 0.27
-11	56.37	55.61	54.85	-0.26 + 0.26
-10	53.47	52.76	52.06	-0.26 + 0.26
-9	50.71	50.05	49.39	-0.25 + 0.25
-8	48.10	47.49	46.88	-0.25 + 0.25
-7	45.65	45.08	44.51	-0.25 + 0.25
-6	43.34	42.81	42.28	-0.24 + 0.24
-5	41.16	40.67	40.17	-0.24 + 0.24
-4	39.11	38.65	38.19	-0.24 + 0.24
-3	37.17	36.74	36.32	-0.23 + 0.23
-2	35.34	34.94	34.55	-0.23 + 0.23
-1	33.62	33.25	32.88	-0.23 + 0.23
0	31.99	31.64	31.30	-0.22 + 0.22
1	30.43	30.11	29.79	-0.22 + 0.22
2	28.96	28.66	28.36	-0.21 + 0.21
3	27.57	27.29	27.01	-0.21 + 0.21
4	26.26	26.00	25.74	-0.21 + 0.21
5	25.01	24.77	24.53	-0.20 + 0.20
6	23.84	23.61	23.39	-0.20 + 0.20
7	22.73	22.52	22.31	-0.20 + 0.20
8	21.67	21.48	21.28	-0.19 + 0.19
9	20.68	20.50	20.31	-0.19 + 0.19
10	19.73	19.56	19.39	-0.18 + 0.18
11	18.83	18.67	18.51	-0.18 + 0.18
12	17.97	17.82	17.68	-0.17 + 0.18

13	17.15	17.02	16.88	-0.17 + 0.17
14	16.38	16.25	16.13	-0.17 + 0.17
15	15.65	15.53	15.41	-0.16 + 0.16
16	14.95	14.85	14.74	-0.16 + 0.16
17	14.29	14.19	14.09	-0.16 + 0.16
18	13.67	13.57	13.48	-0.15 + 0.15
19	13.07	12.99	12.90	-0.15 + 0.15
20	12.51	12.43	12.35	-0.14 + 0.14
21	11.97	11.89	11.82	-0.14 + 0.14
22	11.45	11.38	11.31	-0.13 + 0.13
23	10.96	10.90	10.83	-0.13 + 0.13
24	10.50	10.44	10.38	-0.13 + 0.13
25	10.05	10.00	9.950	-0.12 + 0.12
26	9.631	9.581	9.530	-0.13 + 0.13
27	9.232	9.182	9.132	-0.13 + 0.13
28	8.852	8.802	8.752	-0.14 + 0.14
29	8.490	8.440	8.391	-0.14 + 0.15
30	8.145	8.096	8.046	-0.15 + 0.15
31	7.813	7.764	7.715	-0.16 + 0.16
32	7.497	7.448	7.400	-0.16 + 0.16
33	7.196	7.147	7.099	-0.17 + 0.17
34	6.908	6.860	6.813	-0.17 + 0.17
35	6.634	6.587	6.540	-0.18 + 0.18
36	6.372	6.326	6.279	-0.19 + 0.19
37	6.122	6.076	6.030	-0.19 + 0.19
38	5.884	5.838	5.793	-0.20 + 0.20
39	5.656	5.611	5.567	-0.20 + 0.20
40	5.439	5.394	5.350	-0.21 + 0.21
41	5.229	5.185	5.142	-0.21 + 0.22
42	5.028	4.985	4.942	-0.22 + 0.22
43	4.836	4.794	4.752	-0.23 + 0.23
44	4.653	4.611	4.570	-0.23 + 0.23
45	4.478	4.437	4.396	-0.24 + 0.24
46	4.310	4.270	4.230	-0.25 + 0.25
47	4.150	4.110	4.071	-0.25 + 0.25
48	3.996	3.958	3.919	-0.26 + 0.26
49	3.849	3.811	3.774	-0.27 + 0.27
50	3.709	3.671	3.634	-0.27 + 0.27
51	3.573	3.536	3.500	-0.28 + 0.28
52	3.442	3.406	3.370	-0.28 + 0.28
53	3.317	3.282	3.247	-0.29 + 0.29
54	3.198	3.163	3.129	-0.30 + 0.30
55	3.083	3.049	3.015	-0.30 + 0.30
56	2.973	2.940	2.907	-0.31 + 0.31
57	2.868	2.835	2.803	-0.32 + 0.32

58	2.767	2.735	2.703	-0.32 + 0.33
59	2.670	2.639	2.607	-0.33 + 0.33
60	2.577	2.546	2.516	-0.34 + 0.33
61	2.485	2.455	2.425	-0.33 + 0.34
62	2.397	2.367	2.338	-0.34 + 0.34
63	2.312	2.283	2.254	-0.35 + 0.35
64	2.231	2.202	2.174	-0.35 + 0.36
65	2.153	2.125	2.098	-0.36 + 0.36
66	2.078	2.051	2.024	-0.37 + 0.37
67	2.006	1.980	1.953	-0.38 + 0.38
68	1.937	1.911	1.886	-0.38 + 0.38
69	1.871	1.846	1.821	-0.39 + 0.39
70	1.808	1.783	1.758	-0.40 + 0.39
71	1.746	1.721	1.697	-0.40 + 0.40
72	1.686	1.662	1.638	-0.40 + 0.41
73	1.628	1.605	1.582	-0.41 + 0.41
74	1.573	1.550	1.528	-0.42 + 0.42
75	1.520	1.498	1.476	-0.43 + 0.43
76	1.469	1.448	1.426	-0.43 + 0.44
77	1.421	1.399	1.378	-0.44 + 0.44
78	1.374	1.353	1.332	-0.45 + 0.45
79	1.328	1.308	1.288	-0.46 + 0.46
80	1.285	1.265	1.245	-0.46 + 0.46
81	1.243	1.223	1.204	-0.47 + 0.47
82	1.202	1.183	1.164	-0.47 + 0.48
83	1.163	1.144	1.125	-0.48 + 0.48
84	1.125	1.107	1.089	-0.49 + 0.49
85	1.089	1.071	1.053	-0.50 + 0.50
86	1.054	1.036	1.019	-0.50 + 0.50
87	1.020	1.003	0.9863	-0.51 + 0.51
88	0.9869	0.9706	0.9545	-0.52 + 0.52
89	0.9556	0.9396	0.9239	-0.52 + 0.53
90	0.9254	0.9098	0.8944	-0.53 + 0.53
91	0.8961	0.8808	0.8658	-0.54 + 0.54
92	0.8679	0.8530	0.8383	-0.54 + 0.55
93	0.8407	0.8261	0.8117	-0.55 + 0.55
94	0.8145	0.8002	0.7862	-0.56 + 0.56
95	0.7893	0.7753	0.7616	-0.57 + 0.57
96	0.7649	0.7513	0.7379	-0.58 + 0.58
97	0.7415	0.7281	0.7150	-0.58 + 0.59
98	0.7189	0.7058	0.6930	-0.59 + 0.59
99	0.6971	0.6843	0.6718	-0.60 + 0.60
100	0.6760	0.6635	0.6513	-0.61 + 0.60
101	0.6555	0.6433	0.6313	-0.61 + 0.61
102	0.6357	0.6238	0.6121	-0.62 + 0.62

103	0.6166	0.6049	0.5935	-0.63 + 0.63
104	0.5982	0.5868	0.5756	-0.63 + 0.64
105	0.5804	0.5693	0.5583	-0.64 + 0.65
106	0.5632	0.5523	0.5416	-0.65 + 0.65
107	0.5467	0.5360	0.5255	-0.66 + 0.66
108	0.5307	0.5202	0.5100	-0.67 + 0.67
109	0.5152	0.5050	0.4950	-0.68 + 0.68
110	0.5003	0.4903	0.4805	-0.68 + 0.68
111	0.4858	0.4760	0.4664	-0.69 + 0.69
112	0.4717	0.4622	0.4528	-0.70 + 0.70
113	0.4581	0.4488	0.4396	-0.70 + 0.71
114	0.4450	0.4359	0.4269	-0.71 + 0.72
115	0.4323	0.4234	0.4146	-0.72 + 0.73
116	0.4201	0.4113	0.4028	-0.73 + 0.73
117	0.4082	0.3997	0.3913	-0.74 + 0.74
118	0.3968	0.3884	0.3802	-0.75 + 0.75
119	0.3857	0.3775	0.3695	-0.76 + 0.76
120	0.3750	0.3670	0.3591	-0.77 + 0.76
121	0.3646	0.3567	0.3490	-0.77 + 0.77
122	0.3544	0.3468	0.3392	-0.78 + 0.78
123	0.3447	0.3371	0.3298	-0.79 + 0.79
124	0.3352	0.3278	0.3206	-0.79 + 0.80
125	0.3260	0.3188	0.3118	-0.80 + 0.81
126	0.3172	0.3101	0.3032	-0.81 + 0.82
127	0.3086	0.3017	0.2949	-0.82 + 0.83
128	0.3003	0.2935	0.2869	-0.83 + 0.83
129	0.2922	0.2856	0.2791	-0.84 + 0.84
130	0.2845	0.2780	0.2716	-0.85 + 0.85
131	0.2769	0.2705	0.2643	-0.85 + 0.86
132	0.2695	0.2633	0.2572	-0.86 + 0.87
133	0.2624	0.2563	0.2503	-0.87 + 0.87
134	0.2555	0.2495	0.2437	-0.88 + 0.88
135	0.2488	0.2429	0.2372	-0.89 + 0.89
136	0.2423	0.2365	0.2310	-0.90 + 0.90
137	0.2360	0.2304	0.2249	-0.91 + 0.91
138	0.2299	0.2244	0.2190	-0.92 + 0.92
139	0.2240	0.2186	0.2133	-0.93 + 0.93
140	0.2183	0.2130	0.2078	-0.94 + 0.93
141	0.2127	0.2075	0.2024	-0.94 + 0.94
142	0.2072	0.2022	0.1972	-0.95 + 0.95
143	0.2020	0.1970	0.1922	-0.96 + 0.96
144	0.1969	0.1920	0.1873	-0.97 + 0.97
145	0.1919	0.1872	0.1825	-0.98 + 0.98
146	0.1871	0.1825	0.1779	-0.99 + 0.99
147	0.1825	0.1779	0.1734	-1.00 + 1.00

148	0.1779	0.1735	0.1691	-1.01 + 1.01
149	0.1736	0.1692	0.1649	-1.02 + 1.02
150	0.1693	0.1650	0.1608	-1.03 + 1.03