NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TD11-4C153F[T,B]

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	15000 Ω	R+TOLERANCE(%)	1.0	R-TOLERANCE(%)	1.0
B(T1℃/T2℃)	4110 K	B+TOLERANCE(K)	41.1	B-TOLERANCE(K)	41.1

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
−40	6.878E+05	7.220E+05	7.578E+05
−39	6.401E+05	6.714E+05	7.041E+05
−38	5.959E+05	6.245E+05	6.545E+05
−37	5.549E+05	5.812E+05	6.086E+05
−36	5.169E+05	5.410E+05	5.661E+05
−35	4.817E+05	5.037E+05	5.268E+05
−34	4.490E+05	4.692E+05	4.903E+05
−33	4.187E+05	4.373E+05	4.566E+05
−32	3.906E+05	4.076E+05	4.253E+05
−31	3.645E+05	3.801E+05	3.963E+05
−30	3.403E+05	3.546E+05	3.695E+05
−29	3.176E+05	3.308E+05	3.444E+05
−28	2.966E+05	3.087E+05	3.212E+05
−27	2.772E+05	2.882E+05	2.997E+05
−26	2.591E+05	2.693E+05	2.798E+05
−25	2.423E+05	2.517E+05	2.613E+05
−24	2.267E+05	2.353E+05	2.442E+05
−23	2.123E+05	2.202E+05	2.283E+05
−22	1.988E+05	2.061E+05	2.136E+05
−21	1.863E+05	1.930E+05	1.998E+05
−20	1.746E+05	1.808E+05	1.871E+05
−19	1.638E+05	1.694E+05	1.752E+05
−18	1.537E+05	1.589E+05	1.642E+05
−17	1.442E+05	1.490E+05	1.540E+05
−16	1.355E+05	1.399E+05	1.444E+05
−15	1.273E+05	1.313E+05	1.355E+05
−14	1.196E+05	1.234E+05	1.272E+05
−13	1.125E+05	1.160E+05	1.195E+05
−12	1.059E+05	1.090E+05	1.123E+05
−11	9.966E+04	1.026E+05	1.056E+05
−10	9.385E+04	9.655E+04	9.932E+04
−9	8.842E+04	9.091E+04	9.346E+04
−8	8.334E+04	8.564E+04	8.799E+04
−7	7.859E+04	8.071E+04	8.288E+04
−6	7.414E+04	7.609E+04	7.809E+04
−5	6.997E+04	7.178E+04	7.362E+04
−4	6.607E+04	6.773E+04	6.943E+04
−3	6.241E+04	6.394E+04	6.551E+04
−2	5.897E+04	6.039E+04	6.184E+04
−1	5.575E+04	5.706E+04	5.840E+04
0	5.273E+04	5.394E+04	5.517E+04

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	5.273E+04	5.394E+04	5.517E+04
1	4.989E+04	5.100E+04	5.214E+04
2	4.722E+04	4.825E+04	4.930E+04
3	4.471E+04	4.566E+04	4.663E+04
4	4.236E+04	4.323E+04	4.413E+04
5	4.014E+04	4.095E+04	4.177E+04
6	3.806E+04	3.880E+04	3.956E+04
7	3.610E+04	3.679E+04	3.748E+04
8	3.425E+04	3.489E+04	3.553E+04
9	3.251E+04	3.310E+04	3.369E+04
10	3.087E+04	3.141E+04	3.196E+04
11	2.933E+04	2.983E+04	3.033E+04
12	2.787E+04	2.833E+04	2.879E+04
13	2.650E+04	2.692E+04	2.735E+04
14	2.520E+04	2.559E+04	2.598E+04
15	2.397E+04	2.433E+04	2.469E+04
16	2.282E+04	2.315E+04	2.348E+04
17	2.172E+04	2.203E+04	2.233E+04
18	2.069E+04	2.097E+04	2.125E+04
19	1.971E+04	1.997E+04	2.022E+04
20	1.879E+04	1.902E+04	1.926E+04
21	1.791E+04	1.813E+04	1.834E+04
22	1.708E+04	1.728E+04	1.748E+04
23	1.630E+04	1.648E+04	1.666E+04
24	1.555E+04	1.572E+04	1.588E+04
25	1.485E+04	1.500E+04	1.515E+04
26	1.417E+04	1.432E+04	1.447E+04
27	1.352E+04	1.367E+04	1.382E+04
28	1.291E+04	1.306E+04	1.321E+04
29	1.233E+04	1.248E+04	1.263E+04
30	1.178E+04	1.193E+04	1.208E+04
31	1.126E+04	1.141E+04	1.155E+04
32	1.077E+04	1.091E+04	1.105E+04
33	1.030E+04	1.044E+04	1.058E+04
34	9.851E+03	9.991E+03	1.013E+04
35	9.428E+03	9.566E+03	9.705E+03
36	9.025E+03	9.161E+03	9.298E+03
37	8.642E+03	8.776E+03	8.911E+03
38	8.278E+03	8.410E+03	8.543E+03
39	7.932E+03	8.062E+03	8.193E+03
40	7.603E+03	7.730E+03	7.860E+03
41	7.289E+03	7.415E+03	7.542E+03
42	6.991E+03	7.115E+03	7.239E+03
43	6.707E+03	6.828E+03	6.951E+03
44	6.436E+03	6.555E+03	6.676E+03
45	6.178E+03	6.295E+03	6.414E+03
46	5.933E+03	6.047E+03	6.163E+03
47	5.698E+03	5.811E+03	5.924E+03
48	5.475E+03	5.585E+03	5.697E+03
49	5.261E+03	5.369E+03	5.479E+03
50	5.058E+03	5.163E+03	5.271E+03

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T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	15000 Ω	R+TOLERANCE(%)	1.0	R-TOLERANCE(%)	1.0
B(T1℃/T2℃)	4110 K	B+TOLERANCE(K)	41.1	B-TOLERANCE(K)	41.1

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
50	5.058E+03	5.163E+03	5.271E+03
51	4.863E+03	4.967E+03	5.072E+03
52	4.678E+03	4.779E+03	4.883E+03
53	4.500E+03	4.600E+03	4.701E+03
54	4.331E+03	4.428E+03	4.528E+03
55	4.169E+03	4.264E+03	4.362E+03
56	4.014E+03	4.108E+03	4.203E+03
57	3.866E+03	3.957E+03	4.051E+03
58	3.724E+03	3.814E+03	3.905E+03
59	3.589E+03	3.676E+03	3.766E+03
60	3.459E+03	3.545E+03	3.632E+03
61	3.334E+03	3.418E+03	3.504E+03
62	3.215E+03	3.298E+03	3.382E+03
63	3.101E+03	3.182E+03	3.264E+03
64	2.992E+03	3.071E+03	3.151E+03
65	2.887E+03	2.964E+03	3.043E+03
66	2.787E+03	2.862E+03	2.939E+03
67	2.691E+03	2.764E+03	2.840E+03
68	2.598E+03	2.671E+03	2.745E+03
69	2.510E+03	2.581E+03	2.653E+03
70	2.425E+03	2.494E+03	2.565E+03
71	2.344E+03	2.411E+03	2.481E+03
72	2.266E+03	2.332E+03	2.400E+03
73	2.191E+03	2.255E+03	2.322E+03
74	2.118E+03	2.182E+03	2.247E+03
75	2.049E+03	2.111E+03	2.175E+03
76	1.983E+03	2.044E+03	2.106E+03
77	1.919E+03	1.978E+03	2.039E+03
78	1.857E+03	1.916E+03	1.975E+03
79	1.798E+03	1.855E+03	1.914E+03
80	1.741E+03	1.797E+03	1.855E+03
81	1.687E+03	1.742E+03	1.798E+03
82	1.634E+03	1.688E+03	1.743E+03
83	1.584E+03	1.636E+03	1.690E+03
84	1.535E+03	1.586E+03	1.639E+03
85	1.488E+03	1.538E+03	1.590E+03
86	1.443E+03	1.492E+03	1.543E+03
87	1.399E+03	1.447E+03	1.497E+03
88	1.357E+03	1.404E+03	1.453E+03
89	1.317E+03	1.363E+03	1.410E+03
90	1.278E+03	1.323E+03	1.369E+03
91	1.240E+03	1.284E+03	1.330E+03
92	1.203E+03	1.246E+03	1.291E+03
93	1.168E+03	1.210E+03	1.254E+03
94	1.134E+03	1.175E+03	1.218E+03
95	1.101E+03	1.142E+03	1.184E+03
96	1.069E+03	1.109E+03	1.150E+03
97	1.039E+03	1.078E+03	1.118E+03
98	1.009E+03	1.048E+03	1.087E+03
99	9.808E+02	1.018E+03	1.057E+03
100	9.533E+02	9.900E+02	1.028E+03

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
100	9.533E+02	9.900E+02	1.028E+03
101	9.269E+02	9.628E+02	1.000E+03
102	9.013E+02	9.366E+02	9.731E+02
103	8.766E+02	9.111E+02	9.469E+02
104	8.527E+02	8.865E+02	9.216E+02
105	8.295E+02	8.627E+02	8.971E+02
106	8.071E+02	8.397E+02	8.734E+02
107	7.855E+02	8.174E+02	8.504E+02
108	7.645E+02	7.957E+02	8.282E+02
109	7.442E+02	7.748E+02	8.066E+02
110	7.245E+02	7.546E+02	7.858E+02
111	7.054E+02	7.348E+02	7.654E+02
112	6.869E+02	7.158E+02	7.458E+02
113	6.689E+02	6.973E+02	7.267E+02
114	6.516E+02	6.794E+02	7.083E+02
115	6.348E+02	6.620E+02	6.904E+02
116	6.185E+02	6.452E+02	6.730E+02
117	6.028E+02	6.290E+02	6.562E+02
118	5.875E+02	6.132E+02	6.399E+02
119	5.727E+02	5.979E+02	6.242E+02
120	5.583E+02	5.831E+02	6.088E+02
121	5.446E+02	5.689E+02	5.942E+02
122	5.313E+02	5.551E+02	5.800E+02
123	5.183E+02	5.417E+02	5.661E+02
124	5.057E+02	5.286E+02	5.526E+02
125	4.934E+02	5.159E+02	5.394E+02
126	4.814E+02	5.035E+02	5.266E+02
127	4.698E+02	4.915E+02	5.142E+02
128	4.584E+02	4.798E+02	5.020E+02
129	4.474E+02	4.683E+02	4.902E+02
130	4.367E+02	4.572E+02	4.786E+02
131	4.260E+02	4.462E+02	4.672E+02
132	4.157E+02	4.355E+02	4.562E+02
133	4.057E+02	4.251E+02	4.454E+02
134	3.960E+02	4.150E+02	4.350E+02
135	3.866E+02	4.052E+02	4.248E+02
136	3.774E+02	3.957E+02	4.149E+02
137	3.684E+02	3.864E+02	4.053E+02
138	3.598E+02	3.774E+02	3.959E+02
139	3.513E+02	3.687E+02	3.868E+02
140	3.431E+02	3.602E+02	3.780E+02
141	3.352E+02	3.519E+02	3.694E+02
142	3.275E+02	3.439E+02	3.611E+02
143	3.200E+02	3.361E+02	3.530E+02
144	3.126E+02	3.284E+02	3.450E+02
145	3.055E+02	3.210E+02	3.373E+02
146	2.985E+02	3.138E+02	3.298E+02
147	2.917E+02	3.067E+02	3.224E+02
148	2.851E+02	2.998E+02	3.153E+02
149	2.787E+02	2.931E+02	3.083E+02
150	2.724E+02	2.866E+02	3.015E+02