NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TD11-3H103F[T,B]

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	10000 Ω	R+TOLERANCE(%)	1.0	R-TOLERANCE(%)	1.0
B(T1℃/T2℃)	3370 K	B+TOLERANCE(K)	33.7	B-TOLERANCE(K)	33.7

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
−40	1.629E+05	1.698E+05	1.770E+05
−39	1.546E+05	1.611E+05	1.678E+05
−38	1.468E+05	1.528E+05	1.591E+05
−37	1.394E+05	1.450E+05	1.509E+05
−36	1.324E+05	1.377E+05	1.432E+05
−35	1.259E+05	1.308E+05	1.359E+05
−34	1.197E+05	1.243E+05	1.291E+05
−33	1.138E+05	1.181E+05	1.226E+05
−32	1.083E+05	1.123E+05	1.165E+05
−31	1.031E+05	1.069E+05	1.108E+05
−30	9.812E+04	1.017E+05	1.054E+05
−29	9.344E+04	9.678E+04	1.002E+05
−28	8.902E+04	9.214E+04	9.537E+04
−27	8.483E+04	8.776E+04	9.078E+04
−26	8.087E+04	8.362E+04	8.645E+04
−25	7.712E+04	7.970E+04	8.235E+04
−24	7.357E+04	7.599E+04	7.847E+04
−23	7.021E+04	7.247E+04	7.480E+04
−22	6.702E+04	6.914E+04	7.133E+04
−21	6.400E+04	6.599E+04	6.804E+04
−20	6.113E+04	6.300E+04	6.492E+04
−19	5.839E+04	6.014E+04	6.194E+04
−18	5.579E+04	5.744E+04	5.913E+04
−17	5.333E+04	5.488E+04	5.646E+04
−16	5.100E+04	5.245E+04	5.394E+04
−15	4.878E+04	5.015E+04	5.154E+04
−14	4.668E+04	4.796E+04	4.927E+04
−13	4.468E+04	4.589E+04	4.712E+04
−12	4.278E+04	4.391E+04	4.507E+04
−11	4.098E+04	4.204E+04	4.312E+04
−10	3.926E+04	4.026E+04	4.128E+04
−9	3.763E+04	3.856E+04	3.952E+04
−8	3.607E+04	3.695E+04	3.785E+04
−7	3.459E+04	3.541E+04	3.626E+04
−6	3.317E+04	3.395E+04	3.474E+04
−5	3.182E+04	3.255E+04	3.330E+04
−4	3.054E+04	3.122E+04	3.192E+04
−3	2.931E+04	2.996E+04	3.061E+04
−2	2.814E+04	2.875E+04	2.936E+04
−1	2.702E+04	2.759E+04	2.817E+04
0	2.595E+04	2.649E+04	2.703E+04

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	2.595E+04	2.649E+04	2.703E+04
1	2.494E+04	2.544E+04	2.595E+04
2	2.397E+04	2.444E+04	2.492E+04
3	2.304E+04	2.348E+04	2.393E+04
4	2.215E+04	2.256E+04	2.298E+04
5	2.129E+04	2.168E+04	2.208E+04
6	2.047E+04	2.083E+04	2.120E+04
7	1.968E+04	2.002E+04	2.037E+04
8	1.892E+04	1.924E+04	1.957E+04
9	1.820E+04	1.850E+04	1.880E+04
10	1.750E+04	1.778E+04	1.807E+04
11	1.683E+04	1.710E+04	1.737E+04
12	1.619E+04	1.644E+04	1.669E+04
13	1.558E+04	1.581E+04	1.604E+04
14	1.499E+04	1.521E+04	1.542E+04
15	1.442E+04	1.463E+04	1.483E+04
16	1.388E+04	1.407E+04	1.426E+04
17	1.336E+04	1.354E+04	1.372E+04
18	1.286E+04	1.303E+04	1.320E+04
19	1.239E+04	1.254E+04	1.269E+04
20	1.193E+04	1.207E+04	1.222E+04
21	1.149E+04	1.162E+04	1.176E+04
22	1.107E+04	1.119E+04	1.131E+04
23	1.066E+04	1.078E+04	1.089E+04
24	1.027E+04	1.038E+04	1.049E+04
25	9.900E+03	1.000E+04	1.010E+04
26	9.535E+03	9.635E+03	9.735E+03
27	9.186E+03	9.286E+03	9.386E+03
28	8.851E+03	8.950E+03	9.050E+03
29	8.530E+03	8.629E+03	8.728E+03
30	8.221E+03	8.320E+03	8.419E+03
31	7.926E+03	8.024E+03	8.122E+03
32	7.643E+03	7.740E+03	7.837E+03
33	7.371E+03	7.467E+03	7.564E+03
34	7.110E+03	7.205E+03	7.302E+03
35	6.859E+03	6.954E+03	7.049E+03
36	6.619E+03	6.713E+03	6.807E+03
37	6.388E+03	6.481E+03	6.575E+03
38	6.167E+03	6.258E+03	6.351E+03
39	5.954E+03	6.044E+03	6.136E+03
40	5.749E+03	5.839E+03	5.929E+03
41	5.553E+03	5.641E+03	5.731E+03
42	5.364E+03	5.451E+03	5.539E+03
43	5.183E+03	5.269E+03	5.356E+03
44	5.008E+03	5.093E+03	5.179E+03
45	4.840E+03	4.924E+03	5.009E+03
46	4.679E+03	4.762E+03	4.845E+03
47	4.524E+03	4.605E+03	4.688E+03
48	4.375E+03	4.455E+03	4.536E+03
49	4.231E+03	4.310E+03	4.390E+03
50	4.093E+03	4.171E+03	4.250E+03

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B(T1℃/T2℃)	3370 K	B+TOLERANCE(K)	33.7	B-TOLERANCE(K)	33.7

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
50	4.093E+03	4.171E+03	4.250E+03
51	3.961E+03	4.037E+03	4.115E+03
52	3.833E+03	3.908E+03	3.984E+03
53	3.710E+03	3.784E+03	3.859E+03
54	3.591E+03	3.664E+03	3.738E+03
55	3.477E+03	3.549E+03	3.621E+03
56	3.367E+03	3.438E+03	3.509E+03
57	3.261E+03	3.331E+03	3.401E+03
58	3.159E+03	3.227E+03	3.296E+03
59	3.061E+03	3.128E+03	3.196E+03
60	2.966E+03	3.032E+03	3.099E+03
61	2.874E+03	2.939E+03	3.005E+03
62	2.786E+03	2.850E+03	2.914E+03
63	2.701E+03	2.763E+03	2.827E+03
64	2.619E+03	2.680E+03	2.743E+03
65	2.540E+03	2.600E+03	2.661E+03
66	2.463E+03	2.522E+03	2.583E+03
67	2.390E+03	2.448E+03	2.507E+03
68	2.318E+03	2.375E+03	2.434E+03
69	2.250E+03	2.306E+03	2.363E+03
70	2.184E+03	2.239E+03	2.295E+03
71	2.120E+03	2.174E+03	2.229E+03
72	2.058E+03	2.111E+03	2.165E+03
73	1.998E+03	2.050E+03	2.104E+03
74	1.941E+03	1.992E+03	2.044E+03
75	1.885E+03	1.935E+03	1.987E+03
76	1.831E+03	1.881E+03	1.931E+03
77	1.779E+03	1.828E+03	1.877E+03
78	1.729E+03	1.776E+03	1.825E+03
79	1.680E+03	1.727E+03	1.775E+03
80	1.633E+03	1.679E+03	1.726E+03
81	1.588E+03	1.633E+03	1.679E+03
82	1.544E+03	1.588E+03	1.633E+03
83	1.501E+03	1.544E+03	1.589E+03
84	1.460E+03	1.502E+03	1.546E+03
85	1.420E+03	1.461E+03	1.504E+03
86	1.381E+03	1.422E+03	1.464E+03
87	1.344E+03	1.384E+03	1.425E+03
88	1.307E+03	1.347E+03	1.387E+03
89	1.272E+03	1.311E+03	1.351E+03
90	1.238E+03	1.276E+03	1.316E+03
91	1.205E+03	1.243E+03	1.281E+03
92	1.174E+03	1.210E+03	1.248E+03
93	1.143E+03	1.179E+03	1.216E+03
94	1.113E+03	1.148E+03	1.184E+03
95	1.084E+03	1.118E+03	1.154E+03
96	1.056E+03	1.090E+03	1.125E+03
97	1.028E+03	1.062E+03	1.096E+03
98	1.002E+03	1.035E+03	1.069E+03
99	9.762E+02	1.008E+03	1.042E+03
100	9.514E+02	9.831E+02	1.016E+03

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
100	9.514E+02	9.831E+02	1.016E+03
101	9.272E+02	9.583E+02	9.904E+02
102	9.038E+02	9.344E+02	9.659E+02
103	8.811E+02	9.111E+02	9.421E+02
104	8.591E+02	8.886E+02	9.189E+02
105	8.377E+02	8.667E+02	8.965E+02
106	8.170E+02	8.454E+02	8.747E+02
107	7.969E+02	8.248E+02	8.536E+02
108	7.774E+02	8.048E+02	8.331E+02
109	7.584E+02	7.853E+02	8.132E+02
110	7.400E+02	7.665E+02	7.938E+02
111	7.222E+02	7.482E+02	7.750E+02
112	7.048E+02	7.304E+02	7.567E+02
113	6.880E+02	7.131E+02	7.390E+02
114	6.716E+02	6.963E+02	7.218E+02
115	6.558E+02	6.800E+02	7.050E+02
116	6.403E+02	6.641E+02	6.887E+02
117	6.253E+02	6.487E+02	6.729E+02
118	6.108E+02	6.338E+02	6.575E+02
119	5.966E+02	6.192E+02	6.426E+02
120	5.829E+02	6.051E+02	6.280E+02
121	5.696E+02	5.914E+02	6.140E+02
122	5.566E+02	5.780E+02	6.002E+02
123	5.440E+02	5.651E+02	5.869E+02
124	5.317E+02	5.524E+02	5.739E+02
125	5.198E+02	5.401E+02	5.613E+02
126	5.082E+02	5.282E+02	5.489E+02
127	4.969E+02	5.165E+02	5.370E+02
128	4.858E+02	5.052E+02	5.253E+02
129	4.751E+02	4.942E+02	5.139E+02
130	4.647E+02	4.834E+02	5.028E+02
131	4.545E+02	4.729E+02	4.920E+02
132	4.446E+02	4.627E+02	4.815E+02
133	4.350E+02	4.528E+02	4.713E+02
134	4.256E+02	4.431E+02	4.613E+02
135	4.165E+02	4.337E+02	4.516E+02
136	4.076E+02	4.245E+02	4.421E+02
137	3.989E+02	4.155E+02	4.328E+02
138	3.904E+02	4.068E+02	4.238E+02
139	3.822E+02	3.983E+02	4.150E+02
140	3.741E+02	3.900E+02	4.065E+02
141	3.663E+02	3.819E+02	3.981E+02
142	3.586E+02	3.740E+02	3.899E+02
143	3.512E+02	3.663E+02	3.820E+02
144	3.439E+02	3.588E+02	3.742E+02
145	3.368E+02	3.514E+02	3.667E+02
146	3.299E+02	3.443E+02	3.593E+02
147	3.232E+02	3.373E+02	3.521E+02
148	3.166E+02	3.306E+02	3.451E+02
149	3.102E+02	3.239E+02	3.382E+02
150	3.040E+02	3.175E+02	3.315E+02