NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TK11-3H103F[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	1.626E+05	1.695E+05	1.767E+05
−39	1.542E+05	1.607E+05	1.673E+05
−38	1.463E+05	1.523E+05	1.586E+05
−37	1.389E+05	1.445E+05	1.504E+05
−36	1.319E+05	1.372E+05	1.426E+05
−35	1.253E+05	1.302E+05	1.353E+05
−34	1.191E+05	1.237E+05	1.285E+05
−33	1.133E+05	1.176E+05	1.220E+05
−32	1.078E+05	1.118E+05	1.160E+05
−31	1.026E+05	1.063E+05	1.102E+05
−30	9.764E+04	1.012E+05	1.048E+05
−29	9.299E+04	9.630E+04	9.973E+04
−28	8.859E+04	9.170E+04	9.491E+04
−27	8.444E+04	8.736E+04	9.036E+04
−26	8.052E+04	8.325E+04	8.607E+04
−25	7.680E+04	7.936E+04	8.200E+04
−24	7.328E+04	7.569E+04	7.816E+04
−23	6.995E+04	7.221E+04	7.453E+04
−22	6.680E+04	6.892E+04	7.109E+04
−21	6.381E+04	6.579E+04	6.784E+04
−20	6.097E+04	6.283E+04	6.475E+04
−19	5.828E+04	6.003E+04	6.183E+04
−18	5.573E+04	5.737E+04	5.906E+04
−17	5.330E+04	5.485E+04	5.643E+04
−16	5.100E+04	5.245E+04	5.393E+04
−15	4.880E+04	5.017E+04	5.156E+04
−14	4.672E+04	4.800E+04	4.931E+04
−13	4.473E+04	4.594E+04	4.717E+04
−12	4.284E+04	4.397E+04	4.513E+04
−11	4.104E+04	4.211E+04	4.319E+04
−10	3.933E+04	4.033E+04	4.135E+04
−9	3.770E+04	3.864E+04	3.960E+04
−8	3.615E+04	3.703E+04	3.793E+04
−7	3.466E+04	3.549E+04	3.634E+04
−6	3.325E+04	3.403E+04	3.482E+04
−5	3.189E+04	3.263E+04	3.337E+04
−4	3.060E+04	3.129E+04	3.199E+04
−3	2.937E+04	3.002E+04	3.067E+04
−2	2.819E+04	2.880E+04	2.942E+04
−1	2.706E+04	2.763E+04	2.821E+04
0	2.599E+04	2.652E+04	2.707E+04

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	2.599E+04	2.652E+04	2.707E+04
1	2.496E+04	2.546E+04	2.597E+04
2	2.398E+04	2.445E+04	2.493E+04
3	2.303E+04	2.348E+04	2.393E+04
4	2.213E+04	2.255E+04	2.297E+04
5	2.127E+04	2.166E+04	2.206E+04
6	2.044E+04	2.081E+04	2.118E+04
7	1.965E+04	2.000E+04	2.034E+04
8	1.890E+04	1.922E+04	1.954E+04
9	1.817E+04	1.847E+04	1.878E+04
10	1.747E+04	1.776E+04	1.804E+04
11	1.681E+04	1.707E+04	1.734E+04
12	1.617E+04	1.642E+04	1.667E+04
13	1.556E+04	1.579E+04	1.602E+04
14	1.497E+04	1.519E+04	1.541E+04
15	1.441E+04	1.461E+04	1.481E+04
16	1.387E+04	1.406E+04	1.425E+04
17	1.335E+04	1.353E+04	1.370E+04
18	1.285E+04	1.302E+04	1.318E+04
19	1.238E+04	1.253E+04	1.269E+04
20	1.192E+04	1.206E+04	1.221E+04
21	1.148E+04	1.162E+04	1.175E+04
22	1.106E+04	1.119E+04	1.131E+04
23	1.066E+04	1.077E+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	9.536E+03	9.636E+03	9.736E+03
27	9.187E+03	9.287E+03	9.387E+03
28	8.853E+03	8.952E+03	9.052E+03
29	8.532E+03	8.631E+03	8.730E+03
30	8.224E+03	8.322E+03	8.421E+03
31	7.928E+03	8.026E+03	8.124E+03
32	7.645E+03	7.742E+03	7.840E+03
33	7.373E+03	7.469E+03	7.566E+03
34	7.111E+03	7.207E+03	7.303E+03
35	6.861E+03	6.955E+03	7.051E+03
36	6.620E+03	6.714E+03	6.808E+03
37	6.389E+03	6.482E+03	6.575E+03
38	6.167E+03	6.259E+03	6.351E+03
39	5.954E+03	6.045E+03	6.136E+03
40	5.749E+03	5.839E+03	5.929E+03
41	5.553E+03	5.641E+03	5.730E+03
42	5.364E+03	5.451E+03	5.539E+03
43	5.182E+03	5.268E+03	5.355E+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	4.761E+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

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TK11-3H103F[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)
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	3.592E+03	3.664E+03	3.738E+03
55	3.478E+03	3.549E+03	3.622E+03
56	3.368E+03	3.438E+03	3.510E+03
57	3.262E+03	3.331E+03	3.402E+03
58	3.160E+03	3.228E+03	3.297E+03
59	3.062E+03	3.129E+03	3.197E+03
60	2.967E+03	3.033E+03	3.100E+03
61	2.876E+03	2.941E+03	3.006E+03
62	2.788E+03	2.851E+03	2.916E+03
63	2.703E+03	2.765E+03	2.829E+03
64	2.621E+03	2.682E+03	2.745E+03
65	2.542E+03	2.602E+03	2.664E+03
66	2.466E+03	2.525E+03	2.585E+03
67	2.392E+03	2.451E+03	2.510E+03
68	2.321E+03	2.378E+03	2.437E+03
69	2.253E+03	2.309E+03	2.366E+03
70	2.187E+03	2.242E+03	2.298E+03
71	2.123E+03	2.177E+03	2.232E+03
72	2.061E+03	2.114E+03	2.168E+03
73	2.001E+03	2.053E+03	2.107E+03
74	1.943E+03	1.995E+03	2.047E+03
75	1.888E+03	1.938E+03	1.989E+03
76	1.834E+03	1.883E+03	1.934E+03
77	1.782E+03	1.830E+03	1.880E+03
78	1.731E+03	1.779E+03	1.828E+03
79	1.683E+03	1.729E+03	1.777E+03
80	1.636E+03	1.682E+03	1.729E+03
81	1.590E+03	1.635E+03	1.681E+03
82	1.546E+03	1.590E+03	1.636E+03
83	1.503E+03	1.547E+03	1.591E+03
84	1.462E+03	1.505E+03	1.548E+03
85	1.422E+03	1.464E+03	1.507E+03
86	1.384E+03	1.425E+03	1.467E+03
87	1.346E+03	1.386E+03	1.428E+03
88	1.310E+03	1.349E+03	1.390E+03
89	1.275E+03	1.314E+03	1.354E+03
90	1.241E+03	1.279E+03	1.318E+03
91	1.208E+03	1.245E+03	1.284E+03
92	1.176E+03	1.213E+03	1.251E+03
93	1.145E+03	1.181E+03	1.218E+03
94	1.115E+03	1.151E+03	1.187E+03
95	1.086E+03	1.121E+03	1.157E+03
96	1.058E+03	1.092E+03	1.127E+03
97	1.031E+03	1.064E+03	1.099E+03
98	1.004E+03	1.037E+03	1.071E+03
99	9.788E+02	1.011E+03	1.044E+03
100	9.540E+02	9.858E+02	1.019E+03

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
100	9.540E+02	9.858E+02	1.019E+03
101	9.299E+02	9.611E+02	9.933E+02
102	9.066E+02	9.372E+02	9.688E+02
103	8.839E+02	9.140E+02	9.451E+02
104	8.620E+02	8.915E+02	9.220E+02
105	8.406E+02	8.697E+02	8.996E+02
106	8.199E+02	8.485E+02	8.779E+02
107	7.999E+02	8.279E+02	8.568E+02
108	7.804E+02	8.079E+02	8.363E+02
109	7.614E+02	7.885E+02	8.164E+02
110	7.431E+02	7.696E+02	7.971E+02
111	7.252E+02	7.513E+02	7.783E+02
112	7.079E+02	7.336E+02	7.601E+02
113	6.911E+02	7.163E+02	7.423E+02
114	6.747E+02	6.995E+02	7.251E+02
115	6.588E+02	6.832E+02	7.083E+02
116	6.434E+02	6.673E+02	6.920E+02
117	6.284E+02	6.519E+02	6.762E+02
118	6.138E+02	6.369E+02	6.608E+02
119	5.996E+02	6.223E+02	6.458E+02
120	5.858E+02	6.081E+02	6.312E+02
121	5.724E+02	5.943E+02	6.170E+02
122	5.594E+02	5.809E+02	6.032E+02
123	5.467E+02	5.679E+02	5.898E+02
124	5.343E+02	5.552E+02	5.767E+02
125	5.223E+02	5.428E+02	5.640E+02
126	5.106E+02	5.307E+02	5.516E+02
127	4.992E+02	5.190E+02	5.395E+02
128	4.882E+02	5.076E+02	5.278E+02
129	4.774E+02	4.965E+02	5.163E+02
130	4.669E+02	4.857E+02	5.052E+02
131	4.567E+02	4.751E+02	4.943E+02
132	4.467E+02	4.649E+02	4.837E+02
133	4.370E+02	4.549E+02	4.734E+02
134	4.275E+02	4.451E+02	4.634E+02
135	4.183E+02	4.356E+02	4.536E+02
136	4.094E+02	4.264E+02	4.441E+02
137	4.006E+02	4.174E+02	4.348E+02
138	3.921E+02	4.086E+02	4.257E+02
139	3.838E+02	4.000E+02	4.169E+02
140	3.757E+02	3.917E+02	4.082E+02
141	3.679E+02	3.835E+02	3.998E+02
142	3.602E+02	3.756E+02	3.916E+02
143	3.527E+02	3.678E+02	3.836E+02
144	3.454E+02	3.603E+02	3.758E+02
145	3.383E+02	3.529E+02	3.682E+02
146	3.313E+02	3.458E+02	3.608E+02
147	3.246E+02	3.388E+02	3.536E+02
148	3.180E+02	3.320E+02	3.465E+02
149	3.115E+02	3.253E+02	3.396E+02
150	3.053E+02	3.188E+02	3.329E+02

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TK11-3H103F[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)
150	3.053E+02	3.188E+02	3.329E+02
151	2.991E+02	3.125E+02	3.264E+02
152	2.932E+02	3.063E+02	3.200E+02
153	2.873E+02	3.003E+02	3.137E+02
154	2.817E+02	2.944E+02	3.077E+02
155	2.761E+02	2.887E+02	3.017E+02
156	2.707E+02	2.831E+02	2.959E+02
157	2.655E+02	2.776E+02	2.903E+02
158	2.603E+02	2.723E+02	2.848E+02
159	2.553E+02	2.671E+02	2.794E+02
160	2.504E+02	2.620E+02	2.741E+02
161	2.457E+02	2.571E+02	2.690E+02
162	2.410E+02	2.523E+02	2.640E+02
163	2.365E+02	2.476E+02	2.591E+02
164	2.320E+02	2.430E+02	2.544E+02
165	2.277E+02	2.385E+02	2.497E+02
166	2.235E+02	2.341E+02	2.452E+02
167	2.194E+02	2.298E+02	2.407E+02
168	2.153E+02	2.256E+02	2.364E+02
169	2.114E+02	2.216E+02	2.322E+02
170	2.076E+02	2.176E+02	2.280E+02
171	2.038E+02	2.137E+02	2.240E+02
172	2.002E+02	2.099E+02	2.201E+02
173	1.966E+02	2.062E+02	2.162E+02
174	1.932E+02	2.026E+02	2.125E+02
175	1.897E+02	1.991E+02	2.088E+02

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)