NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TD11-3W474F[T,B]

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	470000 Ω	R+TOLERANCE(%)	1.0	R-TOLERANCE(%)	1.0
B(T1℃/T2℃)	3940 K	B+TOLERANCE(K)	39.4	B-TOLERANCE(K)	39.4

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
−40	1.409E+07	1.477E+07	1.548E+07
−39	1.323E+07	1.386E+07	1.451E+07
−38	1.243E+07	1.301E+07	1.361E+07
−37	1.168E+07	1.221E+07	1.277E+07
−36	1.098E+07	1.147E+07	1.199E+07
−35	1.032E+07	1.078E+07	1.126E+07
−34	9.713E+06	1.014E+07	1.058E+07
−33	9.140E+06	9.532E+06	9.939E+06
−32	8.605E+06	8.967E+06	9.344E+06
−31	8.103E+06	8.439E+06	8.788E+06
−30	7.634E+06	7.945E+06	8.268E+06
−29	7.194E+06	7.483E+06	7.781E+06
−28	6.782E+06	7.049E+06	7.326E+06
−27	6.396E+06	6.644E+06	6.900E+06
−26	6.034E+06	6.264E+06	6.501E+06
−25	5.695E+06	5.907E+06	6.127E+06
−24	5.376E+06	5.573E+06	5.777E+06
−23	5.077E+06	5.260E+06	5.449E+06
−22	4.796E+06	4.966E+06	5.141E+06
−21	4.532E+06	4.690E+06	4.852E+06
−20	4.284E+06	4.431E+06	4.581E+06
−19	4.051E+06	4.187E+06	4.327E+06
−18	3.832E+06	3.958E+06	4.087E+06
−17	3.626E+06	3.743E+06	3.863E+06
−16	3.432E+06	3.541E+06	3.652E+06
−15	3.250E+06	3.350E+06	3.454E+06
−14	3.078E+06	3.171E+06	3.267E+06
−13	2.916E+06	3.003E+06	3.092E+06
−12	2.764E+06	2.845E+06	2.927E+06
−11	2.620E+06	2.695E+06	2.772E+06
−10	2.485E+06	2.555E+06	2.626E+06
−9	2.358E+06	2.422E+06	2.488E+06
−8	2.237E+06	2.297E+06	2.359E+06
−7	2.124E+06	2.180E+06	2.237E+06
−6	2.017E+06	2.068E+06	2.121E+06
−5	1.915E+06	1.964E+06	2.013E+06
−4	1.820E+06	1.865E+06	1.910E+06
−3	1.730E+06	1.771E+06	1.814E+06
−2	1.644E+06	1.683E+06	1.722E+06
−1	1.564E+06	1.600E+06	1.636E+06
0	1.487E+06	1.521E+06	1.555E+06

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	1.487E+06	1.521E+06	1.555E+06
1	1.415E+06	1.446E+06	1.478E+06
2	1.347E+06	1.376E+06	1.405E+06
3	1.282E+06	1.309E+06	1.336E+06
4	1.221E+06	1.246E+06	1.271E+06
5	1.163E+06	1.186E+06	1.209E+06
6	1.108E+06	1.130E+06	1.151E+06
7	1.056E+06	1.076E+06	1.096E+06
8	1.007E+06	1.025E+06	1.044E+06
9	9.604E+05	9.774E+05	9.946E+05
10	9.161E+05	9.318E+05	9.478E+05
11	8.741E+05	8.887E+05	9.034E+05
12	8.342E+05	8.477E+05	8.614E+05
13	7.964E+05	8.089E+05	8.215E+05
14	7.605E+05	7.720E+05	7.837E+05
15	7.263E+05	7.370E+05	7.478E+05
16	6.939E+05	7.038E+05	7.138E+05
17	6.631E+05	6.723E+05	6.815E+05
18	6.339E+05	6.423E+05	6.508E+05
19	6.060E+05	6.138E+05	6.216E+05
20	5.796E+05	5.867E+05	5.939E+05
21	5.544E+05	5.610E+05	5.676E+05
22	5.304E+05	5.365E+05	5.426E+05
23	5.076E+05	5.132E+05	5.188E+05
24	4.860E+05	4.911E+05	4.962E+05
25	4.653E+05	4.700E+05	4.747E+05
26	4.452E+05	4.499E+05	4.546E+05
27	4.261E+05	4.308E+05	4.355E+05
28	4.080E+05	4.126E+05	4.173E+05
29	3.907E+05	3.953E+05	3.999E+05
30	3.742E+05	3.788E+05	3.834E+05
31	3.585E+05	3.630E+05	3.676E+05
32	3.435E+05	3.480E+05	3.526E+05
33	3.292E+05	3.337E+05	3.382E+05
34	3.156E+05	3.201E+05	3.245E+05
35	3.027E+05	3.070E+05	3.114E+05
36	2.903E+05	2.946E+05	2.990E+05
37	2.785E+05	2.827E+05	2.870E+05
38	2.672E+05	2.714E+05	2.757E+05
39	2.565E+05	2.606E+05	2.648E+05
40	2.462E+05	2.503E+05	2.544E+05
41	2.364E+05	2.404E+05	2.445E+05
42	2.271E+05	2.310E+05	2.350E+05
43	2.181E+05	2.220E+05	2.259E+05
44	2.096E+05	2.134E+05	2.173E+05
45	2.014E+05	2.052E+05	2.090E+05
46	1.936E+05	1.973E+05	2.010E+05
47	1.862E+05	1.898E+05	1.934E+05
48	1.790E+05	1.826E+05	1.862E+05
49	1.722E+05	1.757E+05	1.792E+05
50	1.657E+05	1.691E+05	1.725E+05

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B(T1℃/T2℃)	3940 K	B+TOLERANCE(K)	39.4	B-TOLERANCE(K)	39.4

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
50	1.657E+05	1.691E+05	1.725E+05
51	1.594E+05	1.628E+05	1.661E+05
52	1.535E+05	1.567E+05	1.600E+05
53	1.477E+05	1.509E+05	1.542E+05
54	1.422E+05	1.454E+05	1.486E+05
55	1.370E+05	1.401E+05	1.432E+05
56	1.319E+05	1.350E+05	1.380E+05
57	1.271E+05	1.301E+05	1.331E+05
58	1.225E+05	1.254E+05	1.283E+05
59	1.181E+05	1.209E+05	1.237E+05
60	1.138E+05	1.166E+05	1.194E+05
61	1.097E+05	1.124E+05	1.152E+05
62	1.058E+05	1.084E+05	1.111E+05
63	1.020E+05	1.046E+05	1.073E+05
64	9.844E+04	1.010E+05	1.036E+05
65	9.498E+04	9.745E+04	9.998E+04
66	9.166E+04	9.408E+04	9.655E+04
67	8.847E+04	9.083E+04	9.325E+04
68	8.540E+04	8.772E+04	9.008E+04
69	8.246E+04	8.472E+04	8.704E+04
70	7.963E+04	8.184E+04	8.411E+04
71	7.692E+04	7.908E+04	8.129E+04
72	7.430E+04	7.642E+04	7.858E+04
73	7.179E+04	7.386E+04	7.598E+04
74	6.938E+04	7.140E+04	7.347E+04
75	6.706E+04	6.903E+04	7.106E+04
76	6.482E+04	6.676E+04	6.874E+04
77	6.268E+04	6.456E+04	6.650E+04
78	6.061E+04	6.246E+04	6.435E+04
79	5.862E+04	6.043E+04	6.228E+04
80	5.671E+04	5.847E+04	6.028E+04
81	5.486E+04	5.659E+04	5.836E+04
82	5.309E+04	5.478E+04	5.651E+04
83	5.138E+04	5.303E+04	5.472E+04
84	4.974E+04	5.135E+04	5.300E+04
85	4.815E+04	4.972E+04	5.135E+04
86	4.662E+04	4.816E+04	4.975E+04
87	4.515E+04	4.666E+04	4.821E+04
88	4.373E+04	4.520E+04	4.672E+04
89	4.236E+04	4.380E+04	4.529E+04
90	4.105E+04	4.245E+04	4.390E+04
91	3.977E+04	4.115E+04	4.257E+04
92	3.855E+04	3.989E+04	4.128E+04
93	3.737E+04	3.868E+04	4.004E+04
94	3.623E+04	3.751E+04	3.884E+04
95	3.512E+04	3.638E+04	3.768E+04
96	3.406E+04	3.529E+04	3.656E+04
97	3.304E+04	3.424E+04	3.548E+04
98	3.205E+04	3.322E+04	3.444E+04
99	3.109E+04	3.224E+04	3.343E+04
100	3.017E+04	3.129E+04	3.246E+04

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
100	3.017E+04	3.129E+04	3.246E+04
101	2.928E+04	3.038E+04	3.152E+04
102	2.842E+04	2.949E+04	3.061E+04
103	2.758E+04	2.864E+04	2.973E+04
104	2.678E+04	2.781E+04	2.888E+04
105	2.601E+04	2.701E+04	2.806E+04
106	2.525E+04	2.624E+04	2.726E+04
107	2.453E+04	2.549E+04	2.649E+04
108	2.383E+04	2.477E+04	2.575E+04
109	2.315E+04	2.407E+04	2.503E+04
110	2.249E+04	2.340E+04	2.433E+04
111	2.186E+04	2.274E+04	2.366E+04
112	2.125E+04	2.211E+04	2.301E+04
113	2.066E+04	2.150E+04	2.238E+04
114	2.008E+04	2.091E+04	2.177E+04
115	1.953E+04	2.034E+04	2.118E+04
116	1.899E+04	1.978E+04	2.061E+04
117	1.847E+04	1.924E+04	2.005E+04
118	1.796E+04	1.872E+04	1.951E+04
119	1.747E+04	1.822E+04	1.899E+04
120	1.700E+04	1.773E+04	1.849E+04
121	1.654E+04	1.726E+04	1.800E+04
122	1.610E+04	1.680E+04	1.752E+04
123	1.567E+04	1.635E+04	1.706E+04
124	1.525E+04	1.592E+04	1.662E+04
125	1.485E+04	1.550E+04	1.619E+04
126	1.445E+04	1.510E+04	1.577E+04
127	1.407E+04	1.470E+04	1.536E+04
128	1.371E+04	1.432E+04	1.497E+04
129	1.335E+04	1.395E+04	1.458E+04
130	1.300E+04	1.359E+04	1.421E+04
131	1.267E+04	1.325E+04	1.385E+04
132	1.234E+04	1.291E+04	1.350E+04
133	1.202E+04	1.258E+04	1.316E+04
134	1.172E+04	1.226E+04	1.283E+04
135	1.142E+04	1.195E+04	1.251E+04
136	1.113E+04	1.165E+04	1.220E+04
137	1.085E+04	1.136E+04	1.190E+04
138	1.058E+04	1.108E+04	1.160E+04
139	1.031E+04	1.080E+04	1.132E+04
140	1.005E+04	1.054E+04	1.104E+04
141	9.805E+03	1.028E+04	1.077E+04
142	9.563E+03	1.003E+04	1.051E+04
143	9.328E+03	9.781E+03	1.026E+04
144	9.099E+03	9.544E+03	1.001E+04
145	8.877E+03	9.313E+03	9.769E+03
146	8.661E+03	9.088E+03	9.536E+03
147	8.451E+03	8.870E+03	9.309E+03
148	8.247E+03	8.658E+03	9.088E+03
149	8.048E+03	8.451E+03	8.874E+03
150	7.856E+03	8.251E+03	8.665E+03