DATE.	May 27, 2025	No. DRF-25F20	1/2

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TD11-3R154F[T,B]

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	150000 Ω	R+TOLERANCE(%)	1.0	R-TOLERANCE(%)	1.0
B(T1℃/T2℃)	3680 K	B+TOLERANCE(K)	36.8	B-TOLERANCE(K)	36.8

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
−40	3.750E+06	3.921E+06	4.099E+06
−39	3.532E+06	3.690E+06	3.855E+06
−38	3.327E+06	3.474E+06	3.627E+06
−37	3.136E+06	3.272E+06	3.413E+06
−36	2.956E+06	3.082E+06	3.213E+06
−35	2.788E+06	2.905E+06	3.026E+06
−34	2.630E+06	2.738E+06	2.851E+06
−33	2.482E+06	2.583E+06	2.687E+06
−32	2.343E+06	2.436E+06	2.534E+06
−31	2.212E+06	2.299E+06	2.389E+06
−30	2.090E+06	2.170E+06	2.254E+06
−29	1.974E+06	2.049E+06	2.127E+06
−28	1.865E+06	1.935E+06	2.007E+06
−27	1.763E+06	1.828E+06	1.895E+06
−26	1.668E+06	1.728E+06	1.790E+06
−25	1.578E+06	1.634E+06	1.692E+06
−24	1.493E+06	1.546E+06	1.599E+06
−23	1.414E+06	1.463E+06	1.513E+06
−22	1.340E+06	1.385E+06	1.431E+06
−21	1.269E+06	1.311E+06	1.355E+06
−20	1.203E+06	1.242E+06	1.283E+06
−19	1.141E+06	1.178E+06	1.215E+06
−18	1.083E+06	1.117E+06	1.152E+06
−17	1.028E+06	1.059E+06	1.092E+06
−16	9.757E+05	1.005E+06	1.035E+06
−15	9.266E+05	9.540E+05	9.822E+05
−14	8.802E+05	9.058E+05	9.320E+05
−13	8.364E+05	8.602E+05	8.846E+05
−12	7.950E+05	8.172E+05	8.399E+05
−11	7.558E+05	7.765E+05	7.977E+05
−10	7.188E+05	7.381E+05	7.578E+05
−9	6.837E+05	7.017E+05	7.201E+05
−8	6.506E+05	6.673E+05	6.844E+05
−7	6.192E+05	6.348E+05	6.508E+05
−6	5.896E+05	6.041E+05	6.190E+05
−5	5.615E+05	5.751E+05	5.889E+05
−4	5.350E+05	5.476E+05	5.605E+05
−3	5.098E+05	5.216E+05	5.336E+05
−2	4.861E+05	4.970E+05	5.082E+05
−1	4.635E+05	4.737E+05	4.842E+05
0	4.421E+05	4.517E+05	4.614E+05

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	4.421E+05	4.517E+05	4.614E+05
1	4.219E+05	4.308E+05	4.398E+05
2	4.027E+05	4.110E+05	4.194E+05
3	3.845E+05	3.922E+05	4.000E+05
4	3.672E+05	3.744E+05	3.817E+05
5	3.508E+05	3.575E+05	3.643E+05
6	3.352E+05	3.414E+05	3.477E+05
7	3.204E+05	3.262E+05	3.321E+05
8	3.063E+05	3.117E+05	3.172E+05
9	2.929E+05	2.980E+05	3.031E+05
10	2.802E+05	2.849E+05	2.897E+05
11	2.682E+05	2.725E+05	2.769E+05
12	2.567E+05	2.607E+05	2.648E+05
13	2.457E+05	2.495E+05	2.533E+05
14	2.353E+05	2.388E+05	2.424E+05
15	2.254E+05	2.287E+05	2.319E+05
16	2.160E+05	2.190E+05	2.220E+05
17	2.070E+05	2.098E+05	2.126E+05
18	1.984E+05	2.010E+05	2.036E+05
19	1.902E+05	1.926E+05	1.950E+05
20	1.824E+05	1.846E+05	1.869E+05
21	1.750E+05	1.770E+05	1.791E+05
22	1.679E+05	1.698E+05	1.717E+05
23	1.611E+05	1.629E+05	1.646E+05
24	1.547E+05	1.563E+05	1.579E+05
25	1.485E+05	1.500E+05	1.515E+05
26	1.425E+05	1.440E+05	1.455E+05
27	1.368E+05	1.383E+05	1.398E+05
28	1.313E+05	1.328E+05	1.343E+05
29	1.261E+05	1.276E+05	1.291E+05
30	1.211E+05	1.226E+05	1.241E+05
31	1.163E+05	1.178E+05	1.193E+05
32	1.118E+05	1.132E+05	1.147E+05
33	1.074E+05	1.089E+05	1.103E+05
34	1.033E+05	1.047E+05	1.061E+05
35	9.932E+04	1.007E+05	1.021E+05
36	9.552E+04	9.691E+04	9.831E+04
37	9.189E+04	9.326E+04	9.464E+04
38	8.841E+04	8.977E+04	9.113E+04
39	8.509E+04	8.642E+04	8.777E+04
40	8.190E+04	8.322E+04	8.455E+04
41	7.886E+04	8.016E+04	8.147E+04
42	7.595E+04	7.723E+04	7.852E+04
43	7.316E+04	7.442E+04	7.569E+04
44	7.048E+04	7.172E+04	7.298E+04
45	6.792E+04	6.914E+04	7.038E+04
46	6.546E+04	6.667E+04	6.788E+04
47	6.311E+04	6.429E+04	6.549E+04
48	6.085E+04	6.201E+04	6.319E+04
49	5.869E+04	5.983E+04	6.098E+04
50	5.661E+04	5.773E+04	5.887E+04

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B(T1℃/T2℃)	3680 K	B+TOLERANCE(K)	36.8	B-TOLERANCE(K)	36.8

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
50	5.661E+04	5.773E+04	5.887E+04
51	5.461E+04	5.571E+04	5.683E+04
52	5.269E+04	5.377E+04	5.487E+04
53	5.085E+04	5.192E+04	5.299E+04
54	4.909E+04	5.013E+04	5.119E+04
55	4.739E+04	4.842E+04	4.945E+04
56	4.577E+04	4.677E+04	4.779E+04
57	4.420E+04	4.519E+04	4.619E+04
58	4.270E+04	4.367E+04	4.465E+04
59	4.126E+04	4.220E+04	4.317E+04
60	3.987E+04	4.080E+04	4.174E+04
61	3.854E+04	3.945E+04	4.038E+04
62	3.726E+04	3.815E+04	3.906E+04
63	3.603E+04	3.690E+04	3.779E+04
64	3.484E+04	3.570E+04	3.657E+04
65	3.370E+04	3.454E+04	3.540E+04
66	3.260E+04	3.343E+04	3.427E+04
67	3.155E+04	3.236E+04	3.318E+04
68	3.053E+04	3.133E+04	3.213E+04
69	2.956E+04	3.033E+04	3.113E+04
70	2.861E+04	2.938E+04	3.015E+04
71	2.771E+04	2.846E+04	2.922E+04
72	2.684E+04	2.757E+04	2.832E+04
73	2.600E+04	2.672E+04	2.745E+04
74	2.519E+04	2.589E+04	2.661E+04
75	2.441E+04	2.510E+04	2.580E+04
76	2.366E+04	2.433E+04	2.502E+04
77	2.293E+04	2.359E+04	2.427E+04
78	2.223E+04	2.288E+04	2.354E+04
79	2.155E+04	2.219E+04	2.284E+04
80	2.090E+04	2.152E+04	2.216E+04
81	2.027E+04	2.088E+04	2.150E+04
82	1.966E+04	2.026E+04	2.087E+04
83	1.907E+04	1.966E+04	2.026E+04
84	1.851E+04	1.908E+04	1.966E+04
85	1.796E+04	1.852E+04	1.909E+04
86	1.743E+04	1.798E+04	1.854E+04
87	1.692E+04	1.745E+04	1.801E+04
88	1.642E+04	1.695E+04	1.749E+04
89	1.595E+04	1.646E+04	1.699E+04
90	1.548E+04	1.599E+04	1.651E+04
91	1.504E+04	1.553E+04	1.604E+04
92	1.461E+04	1.509E+04	1.559E+04
93	1.419E+04	1.467E+04	1.516E+04
94	1.379E+04	1.425E+04	1.473E+04
95	1.340E+04	1.385E+04	1.433E+04
96	1.302E+04	1.347E+04	1.393E+04
97	1.266E+04	1.310E+04	1.355E+04
98	1.230E+04	1.273E+04	1.318E+04
99	1.196E+04	1.238E+04	1.282E+04
100	1.163E+04	1.205E+04	1.247E+04

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
100	1.163E+04	1.205E+04	1.247E+04
101	1.131E+04	1.172E+04	1.214E+04
102	1.101E+04	1.140E+04	1.181E+04
103	1.071E+04	1.109E+04	1.150E+04
104	1.042E+04	1.080E+04	1.119E+04
105	1.014E+04	1.051E+04	1.090E+04
106	9.864E+03	1.023E+04	1.061E+04
107	9.601E+03	9.960E+03	1.033E+04
108	9.346E+03	9.697E+03	1.006E+04
109	9.099E+03	9.443E+03	9.800E+03
110	8.859E+03	9.197E+03	9.547E+03
111	8.627E+03	8.958E+03	9.301E+03
112	8.402E+03	8.727E+03	9.063E+03
113	8.184E+03	8.502E+03	8.832E+03
114	7.972E+03	8.285E+03	8.608E+03
115	7.767E+03	8.073E+03	8.391E+03
116	7.568E+03	7.868E+03	8.179E+03
117	7.374E+03	7.669E+03	7.974E+03
118	7.187E+03	7.476E+03	7.775E+03
119	7.005E+03	7.288E+03	7.582E+03
120	6.828E+03	7.106E+03	7.394E+03
121	6.656E+03	6.928E+03	7.211E+03
122	6.489E+03	6.756E+03	7.034E+03
123	6.327E+03	6.589E+03	6.861E+03
124	6.170E+03	6.427E+03	6.694E+03
125	6.017E+03	6.269E+03	6.531E+03
126	5.869E+03	6.116E+03	6.373E+03
127	5.724E+03	5.967E+03	6.219E+03
128	5.584E+03	5.823E+03	6.070E+03
129	5.448E+03	5.682E+03	5.925E+03
130	5.316E+03	5.545E+03	5.784E+03
131	5.188E+03	5.413E+03	5.647E+03
132	5.063E+03	5.284E+03	5.513E+03
133	4.942E+03	5.158E+03	5.384E+03
134	4.824E+03	5.036E+03	5.258E+03
135	4.709E+03	4.918E+03	5.135E+03
136	4.598E+03	4.802E+03	5.016E+03
137	4.489E+03	4.690E+03	4.900E+03
138	4.384E+03	4.581E+03	4.787E+03
139	4.281E+03	4.475E+03	4.677E+03
140	4.182E+03	4.372E+03	4.570E+03
141	4.085E+03	4.271E+03	4.466E+03
142	3.990E+03	4.173E+03	4.364E+03
143	3.898E+03	4.078E+03	4.266E+03
144	3.809E+03	3.985E+03	4.170E+03
145	3.722E+03	3.895E+03	4.076E+03
146	3.637E+03	3.807E+03	3.985E+03
147	3.555E+03	3.722E+03	3.896E+03
148	3.475E+03	3.639E+03	3.810E+03
149	3.397E+03	3.558E+03	3.726E+03
150	3.321E+03	3.479E+03	3.644E+03