NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TX03-3H103F[D,B]

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	10000 Ω	R+TOLERANCE(%)	1.0	R-TOLERANCE(%)	1.0
B(T1℃/T2℃)	3380 K	B+TOLERANCE(K)	10.14	B-TOLERANCE(K)	10.14

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
−40	1.933E+05	1.971E+05	2.009E+05
−39	1.832E+05	1.868E+05	1.904E+05
−38	1.736E+05	1.770E+05	1.804E+05
−37	1.647E+05	1.678E+05	1.710E+05
−36	1.562E+05	1.591E+05	1.621E+05
−35	1.482E+05	1.509E+05	1.538E+05
−34	1.406E+05	1.432E+05	1.459E+05
−33	1.334E+05	1.359E+05	1.384E+05
−32	1.267E+05	1.290E+05	1.313E+05
−31	1.203E+05	1.225E+05	1.247E+05
−30	1.142E+05	1.163E+05	1.184E+05
−29	1.085E+05	1.105E+05	1.124E+05
−28	1.031E+05	1.049E+05	1.068E+05
−27	9.803E+04	9.973E+04	1.015E+05
−26	9.320E+04	9.480E+04	9.642E+04
−25	8.862E+04	9.014E+04	9.166E+04
−24	8.430E+04	8.572E+04	8.716E+04
−23	8.020E+04	8.154E+04	8.290E+04
−22	7.633E+04	7.759E+04	7.887E+04
−21	7.266E+04	7.385E+04	7.505E+04
−20	6.918E+04	7.030E+04	7.143E+04
−19	6.588E+04	6.694E+04	6.801E+04
−18	6.275E+04	6.375E+04	6.476E+04
−17	5.979E+04	6.074E+04	6.169E+04
−16	5.699E+04	5.788E+04	5.877E+04
−15	5.433E+04	5.517E+04	5.601E+04
−14	5.181E+04	5.260E+04	5.340E+04
−13	4.942E+04	5.016E+04	5.092E+04
−12	4.715E+04	4.786E+04	4.857E+04
−11	4.500E+04	4.566E+04	4.634E+04
−10	4.295E+04	4.358E+04	4.422E+04
−9	4.102E+04	4.161E+04	4.221E+04
−8	3.918E+04	3.974E+04	4.031E+04
−7	3.743E+04	3.796E+04	3.850E+04
−6	3.577E+04	3.627E+04	3.678E+04
−5	3.419E+04	3.466E+04	3.514E+04
−4	3.269E+04	3.314E+04	3.359E+04
−3	3.126E+04	3.169E+04	3.212E+04
−2	2.990E+04	3.031E+04	3.071E+04
−1	2.861E+04	2.899E+04	2.938E+04
0	2.738E+04	2.774E+04	2.811E+04

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	2.738E+04	2.774E+04	2.811E+04
1	2.621E+04	2.655E+04	2.690E+04
2	2.509E+04	2.542E+04	2.575E+04
3	2.403E+04	2.434E+04	2.465E+04
4	2.302E+04	2.332E+04	2.361E+04
5	2.206E+04	2.234E+04	2.262E+04
6	2.115E+04	2.141E+04	2.167E+04
7	2.027E+04	2.052E+04	2.077E+04
8	1.944E+04	1.968E+04	1.992E+04
9	1.865E+04	1.887E+04	1.910E+04
10	1.789E+04	1.811E+04	1.832E+04
11	1.717E+04	1.737E+04	1.758E+04
12	1.648E+04	1.668E+04	1.687E+04
13	1.583E+04	1.601E+04	1.619E+04
14	1.520E+04	1.537E+04	1.555E+04
15	1.460E+04	1.477E+04	1.493E+04
16	1.403E+04	1.419E+04	1.434E+04
17	1.348E+04	1.363E+04	1.378E+04
18	1.296E+04	1.310E+04	1.325E+04
19	1.246E+04	1.260E+04	1.273E+04
20	1.199E+04	1.212E+04	1.224E+04
21	1.153E+04	1.165E+04	1.178E+04
22	1.110E+04	1.121E+04	1.133E+04
23	1.068E+04	1.079E+04	1.090E+04
24	1.028E+04	1.039E+04	1.049E+04
25	9.900E+03	1.000E+04	1.010E+04
26	9.533E+03	9.630E+03	9.728E+03
27	9.181E+03	9.276E+03	9.371E+03
28	8.845E+03	8.937E+03	9.030E+03
29	8.523E+03	8.612E+03	8.703E+03
30	8.214E+03	8.301E+03	8.389E+03
31	7.918E+03	8.004E+03	8.089E+03
32	7.635E+03	7.718E+03	7.801E+03
33	7.363E+03	7.444E+03	7.525E+03
34	7.103E+03	7.182E+03	7.261E+03
35	6.853E+03	6.930E+03	7.007E+03
36	6.614E+03	6.689E+03	6.764E+03
37	6.384E+03	6.457E+03	6.530E+03
38	6.164E+03	6.235E+03	6.306E+03
39	5.952E+03	6.021E+03	6.091E+03
40	5.749E+03	5.816E+03	5.884E+03
41	5.554E+03	5.620E+03	5.686E+03
42	5.366E+03	5.431E+03	5.495E+03
43	5.186E+03	5.249E+03	5.312E+03
44	5.014E+03	5.074E+03	5.136E+03
45	4.847E+03	4.907E+03	4.966E+03
46	4.688E+03	4.746E+03	4.804E+03
47	4.534E+03	4.591E+03	4.647E+03
48	4.386E+03	4.441E+03	4.497E+03
49	4.244E+03	4.298E+03	4.352E+03
50	4.108E+03	4.160E+03	4.213E+03

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B(T1℃/T2℃)	3380 K	B+TOLERANCE(K)	10.14	B-TOLERANCE(K)	10.14

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
50	4.108E+03	4.160E+03	4.213E+03
51	3.976E+03	4.027E+03	4.079E+03
52	3.850E+03	3.900E+03	3.950E+03
53	3.728E+03	3.777E+03	3.826E+03
54	3.611E+03	3.658E+03	3.706E+03
55	3.498E+03	3.544E+03	3.591E+03
56	3.389E+03	3.435E+03	3.480E+03
57	3.285E+03	3.329E+03	3.373E+03
58	3.184E+03	3.227E+03	3.270E+03
59	3.087E+03	3.129E+03	3.171E+03
60	2.993E+03	3.034E+03	3.075E+03
61	2.903E+03	2.943E+03	2.983E+03
62	2.815E+03	2.855E+03	2.894E+03
63	2.731E+03	2.770E+03	2.808E+03
64	2.650E+03	2.688E+03	2.725E+03
65	2.572E+03	2.609E+03	2.645E+03
66	2.497E+03	2.532E+03	2.568E+03
67	2.424E+03	2.459E+03	2.494E+03
68	2.354E+03	2.387E+03	2.422E+03
69	2.286E+03	2.319E+03	2.352E+03
70	2.220E+03	2.252E+03	2.285E+03
71	2.156E+03	2.188E+03	2.220E+03
72	2.095E+03	2.126E+03	2.157E+03
73	2.036E+03	2.066E+03	2.097E+03
74	1.978E+03	2.008E+03	2.038E+03
75	1.923E+03	1.952E+03	1.981E+03
76	1.870E+03	1.898E+03	1.926E+03
77	1.818E+03	1.845E+03	1.873E+03
78	1.768E+03	1.795E+03	1.822E+03
79	1.719E+03	1.746E+03	1.773E+03
80	1.673E+03	1.698E+03	1.725E+03
81	1.627E+03	1.653E+03	1.678E+03
82	1.584E+03	1.608E+03	1.633E+03
83	1.541E+03	1.565E+03	1.590E+03
84	1.500E+03	1.524E+03	1.548E+03
85	1.460E+03	1.484E+03	1.507E+03
86	1.422E+03	1.445E+03	1.467E+03
87	1.385E+03	1.407E+03	1.429E+03
88	1.348E+03	1.370E+03	1.392E+03
89	1.313E+03	1.335E+03	1.356E+03
90	1.280E+03	1.300E+03	1.321E+03
91	1.247E+03	1.267E+03	1.288E+03
92	1.215E+03	1.235E+03	1.255E+03
93	1.184E+03	1.204E+03	1.223E+03
94	1.154E+03	1.173E+03	1.193E+03
95	1.125E+03	1.144E+03	1.163E+03
96	1.097E+03	1.115E+03	1.134E+03
97	1.070E+03	1.088E+03	1.106E+03
98	1.043E+03	1.061E+03	1.078E+03
99	1.017E+03	1.035E+03	1.052E+03
100	9.923E+02	1.009E+03	1.026E+03

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
100	9.923E+02	1.009E+03	1.026E+03
101	9.680E+02	9.846E+02	1.001E+03
102	9.444E+02	9.606E+02	9.770E+02
103	9.215E+02	9.374E+02	9.535E+02
104	8.993E+02	9.149E+02	9.306E+02
105	8.777E+02	8.930E+02	9.084E+02
106	8.567E+02	8.717E+02	8.868E+02
107	8.364E+02	8.510E+02	8.659E+02
108	8.166E+02	8.310E+02	8.455E+02
109	7.974E+02	8.115E+02	8.258E+02
110	7.787E+02	7.926E+02	8.066E+02
111	7.607E+02	7.742E+02	7.880E+02
112	7.431E+02	7.564E+02	7.699E+02
113	7.260E+02	7.391E+02	7.522E+02
114	7.094E+02	7.222E+02	7.351E+02
115	6.932E+02	7.058E+02	7.185E+02
116	6.775E+02	6.898E+02	7.023E+02
117	6.622E+02	6.743E+02	6.865E+02
118	6.473E+02	6.591E+02	6.711E+02
119	6.328E+02	6.444E+02	6.562E+02
120	6.187E+02	6.301E+02	6.416E+02
121	6.049E+02	6.161E+02	6.274E+02
122	5.915E+02	6.025E+02	6.136E+02
123	5.785E+02	5.892E+02	6.002E+02
124	5.658E+02	5.763E+02	5.871E+02
125	5.534E+02	5.638E+02	5.743E+02