

## NTC THERMISTOR R-T CHARACTERISTICS

TYPE TH03-3H103F [D, B]

RESISTANCE (at25°C)	10000 Ω	R-TOLERANCE (±)	1 %
B-VALUE (25/50°C)	3380 K	B-TOLERANCE (±)	1 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	1.890E+005	1.971E+005	2.054E+005
-39	1.792E+005	1.868E+005	1.946E+005
-38	1.700E+005	1.770E+005	1.843E+005
-37	1.613E+005	1.678E+005	1.746E+005
-36	1.530E+005	1.591E+005	1.655E+005
-35	1.452E+005	1.509E+005	1.569E+005
-34	1.379E+005	1.432E+005	1.487E+005
-33	1.309E+005	1.359E+005	1.411E+005
-32	1.243E+005	1.290E+005	1.338E+005
-31	1.181E+005	1.225E+005	1.270E+005
-30	1.122E+005	1.163E+005	1.205E+005
-29	1.066E+005	1.105E+005	1.144E+005
-28	1.014E+005	1.049E+005	1.086E+005
-27	9.640E+004	9.973E+004	1.032E+005
-26	9.168E+004	9.480E+004	9.801E+004
-25	8.722E+004	9.014E+004	9.314E+004
-24	8.299E+004	8.572E+004	8.853E+004
-23	7.899E+004	8.154E+004	8.417E+004
-22	7.520E+004	7.759E+004	8.005E+004
-21	7.161E+004	7.385E+004	7.614E+004
-20	6.821E+004	7.030E+004	7.245E+004
-19	6.498E+004	6.694E+004	6.895E+004
-18	6.192E+004	6.375E+004	6.563E+004
-17	5.902E+004	6.074E+004	6.249E+004
-16	5.627E+004	5.788E+004	5.952E+004
-15	5.367E+004	5.517E+004	5.671E+004
-14	5.119E+004	5.260E+004	5.404E+004
-13	4.885E+004	5.016E+004	5.151E+004
-12	4.662E+004	4.786E+004	4.912E+004
-11	4.451E+004	4.566E+004	4.684E+004
-10	4.250E+004	4.358E+004	4.469E+004
-9	4.060E+004	4.161E+004	4.265E+004
-8	3.879E+004	3.974E+004	4.071E+004
-7	3.707E+004	3.796E+004	3.887E+004
-6	3.544E+004	3.627E+004	3.712E+004
-5	3.389E+004	3.466E+004	3.546E+004
-4	3.241E+004	3.314E+004	3.388E+004
-3	3.100E+004	3.169E+004	3.238E+004
-2	2.967E+004	3.031E+004	3.096E+004
-1	2.839E+004	2.899E+004	2.960E+004
0	2.718E+004	2.774E+004	2.831E+004

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	2.718E+004	2.774E+004	2.831E+004
1	2.603E+004	2.655E+004	2.709E+004
2	2.493E+004	2.542E+004	2.592E+004
3	2.388E+004	2.434E+004	2.481E+004
4	2.289E+004	2.332E+004	2.375E+004
5	2.194E+004	2.234E+004	2.275E+004
6	2.103E+004	2.141E+004	2.179E+004
7	2.017E+004	2.052E+004	2.088E+004
8	1.935E+004	1.968E+004	2.001E+004
9	1.856E+004	1.887E+004	1.918E+004
10	1.782E+004	1.811E+004	1.840E+004
11	1.710E+004	1.737E+004	1.765E+004
12	1.642E+004	1.668E+004	1.693E+004
13	1.577E+004	1.601E+004	1.625E+004
14	1.515E+004	1.537E+004	1.559E+004
15	1.456E+004	1.477E+004	1.497E+004
16	1.400E+004	1.419E+004	1.438E+004
17	1.345E+004	1.363E+004	1.381E+004
18	1.294E+004	1.310E+004	1.327E+004
19	1.244E+004	1.260E+004	1.275E+004
20	1.197E+004	1.212E+004	1.226E+004
21	1.152E+004	1.165E+004	1.179E+004
22	1.109E+004	1.121E+004	1.134E+004
23	1.067E+004	1.079E+004	1.091E+004
24	1.028E+004	1.039E+004	1.049E+004
25	9.900E+003	1.000E+004	1.010E+004
26	9.530E+003	9.630E+003	9.730E+003
27	9.176E+003	9.276E+003	9.376E+003
28	8.838E+003	8.937E+003	9.037E+003
29	8.514E+003	8.612E+003	8.712E+003
30	8.203E+003	8.301E+003	8.400E+003
31	7.906E+003	8.004E+003	8.102E+003
32	7.621E+003	7.718E+003	7.815E+003
33	7.348E+003	7.444E+003	7.541E+003
34	7.086E+003	7.182E+003	7.278E+003
35	6.836E+003	6.930E+003	7.025E+003
36	6.595E+003	6.689E+003	6.783E+003
37	6.364E+003	6.457E+003	6.550E+003
38	6.143E+003	6.235E+003	6.327E+003
39	5.931E+003	6.021E+003	6.113E+003
40	5.727E+003	5.816E+003	5.907E+003

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RESISTANCE (at25°C)	10000 Ω	R-TOLERANCE (±)	1 %
B-VALUE (25/50°C)	3380 K	B-TOLERANCE (±)	1 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	5.727E+003	5.816E+003	5.907E+003
41	5.531E+003	5.620E+003	5.709E+003
42	5.343E+003	5.431E+003	5.519E+003
43	5.163E+003	5.249E+003	5.336E+003
44	4.990E+003	5.074E+003	5.160E+003
45	4.823E+003	4.907E+003	4.991E+003
46	4.663E+003	4.746E+003	4.829E+003
47	4.509E+003	4.591E+003	4.673E+003
48	4.361E+003	4.441E+003	4.522E+003
49	4.219E+003	4.298E+003	4.378E+003
50	4.083E+003	4.160E+003	4.239E+003
51	3.951E+003	4.027E+003	4.105E+003
52	3.825E+003	3.900E+003	3.976E+003
53	3.703E+003	3.777E+003	3.852E+003
54	3.586E+003	3.658E+003	3.732E+003
55	3.473E+003	3.544E+003	3.617E+003
56	3.364E+003	3.435E+003	3.506E+003
57	3.259E+003	3.329E+003	3.399E+003
58	3.159E+003	3.227E+003	3.296E+003
59	3.062E+003	3.129E+003	3.197E+003
60	2.968E+003	3.034E+003	3.101E+003
61	2.878E+003	2.943E+003	3.009E+003
62	2.791E+003	2.855E+003	2.919E+003
63	2.707E+003	2.770E+003	2.833E+003
64	2.626E+003	2.688E+003	2.750E+003
65	2.548E+003	2.609E+003	2.670E+003
66	2.473E+003	2.532E+003	2.593E+003
67	2.400E+003	2.459E+003	2.518E+003
68	2.330E+003	2.387E+003	2.446E+003
69	2.262E+003	2.319E+003	2.376E+003
70	2.197E+003	2.252E+003	2.309E+003
71	2.134E+003	2.188E+003	2.244E+003
72	2.073E+003	2.126E+003	2.181E+003
73	2.013E+003	2.066E+003	2.120E+003
74	1.956E+003	2.008E+003	2.061E+003
75	1.901E+003	1.952E+003	2.004E+003
76	1.848E+003	1.898E+003	1.949E+003
77	1.797E+003	1.845E+003	1.896E+003
78	1.747E+003	1.795E+003	1.844E+003
79	1.699E+003	1.746E+003	1.794E+003
80	1.652E+003	1.698E+003	1.746E+003

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	1.652E+003	1.698E+003	1.746E+003
81	1.607E+003	1.653E+003	1.699E+003
82	1.563E+003	1.608E+003	1.654E+003
83	1.521E+003	1.565E+003	1.610E+003
84	1.481E+003	1.524E+003	1.568E+003
85	1.441E+003	1.484E+003	1.527E+003
86	1.403E+003	1.445E+003	1.487E+003
87	1.366E+003	1.407E+003	1.449E+003
88	1.330E+003	1.370E+003	1.412E+003
89	1.295E+003	1.335E+003	1.375E+003
90	1.262E+003	1.300E+003	1.340E+003
91	1.229E+003	1.267E+003	1.306E+003
92	1.197E+003	1.235E+003	1.273E+003
93	1.167E+003	1.204E+003	1.241E+003
94	1.137E+003	1.173E+003	1.210E+003
95	1.108E+003	1.144E+003	1.180E+003
96	1.080E+003	1.115E+003	1.151E+003
97	1.053E+003	1.088E+003	1.123E+003
98	1.027E+003	1.061E+003	1.095E+003
99	1.001E+003	1.035E+003	1.069E+003
100	9.766E+002	1.009E+003	1.043E+003
101	9.525E+002	9.846E+002	1.018E+003
102	9.292E+002	9.606E+002	9.931E+002
103	9.065E+002	9.374E+002	9.693E+002
104	8.845E+002	9.149E+002	9.462E+002
105	8.631E+002	8.930E+002	9.238E+002
106	8.423E+002	8.717E+002	9.020E+002
107	8.222E+002	8.510E+002	8.808E+002
108	8.026E+002	8.310E+002	8.603E+002
109	7.836E+002	8.115E+002	8.403E+002
110	7.652E+002	7.926E+002	8.209E+002
111	7.473E+002	7.742E+002	8.021E+002
112	7.299E+002	7.564E+002	7.838E+002
113	7.130E+002	7.391E+002	7.660E+002
114	6.966E+002	7.222E+002	7.487E+002
115	6.806E+002	7.058E+002	7.318E+002
116	6.650E+002	6.898E+002	7.154E+002
117	6.499E+002	6.743E+002	6.995E+002
118	6.352E+002	6.591E+002	6.839E+002
119	6.209E+002	6.444E+002	6.688E+002
120	6.069E+002	6.301E+002	6.541E+002
121	5.934E+002	6.161E+002	6.397E+002
122	5.802E+002	6.026E+002	6.258E+002
123	5.673E+002	5.893E+002	6.122E+002
124	5.548E+002	5.765E+002	5.989E+002
125	5.426E+002	5.639E+002	5.860E+002