NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH20-3V103F[T,B]

RESISTANCE(at25℃)	10000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	3924 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	3.330E+005	3.489E+005	3.656E+005
-39	3.122E+005	3.269E+005	3.423E+005
-38	2.928E+005	3.064E+005	3.205E+005
-37	2.747E+005	2.872E+005	3.003E+005
-36	2.577E+005	2.693E+005	2.813E+005
-35	2.419E+005	2.526E+005	2.637E+005
-34	2.271E+005	2.370E+005	2.472E+005
-33	2.133E+005	2.224E+005	2.319E+005
-32	2.004E+005	2.088E+005	2.175E+005
-31	1.883E+005	1.961E+005	2.041E+005
-30	1.770E+005	1.842E+005	1.916E+005
-29	1.663E+005	1.730E+005	1.799E+005
-28	1.564E+005	1.626E+005	1.689E+005
-27	1.471E+005	1.528E+005	1.587E+005
-26	1.385E+005	1.437E+005	1.491E+005
-25	1.303E+005	1.352E+005	1.402E+005
-24	1.228E+005	1.272E+005	1.319E+005
-23	1.156E+005	1.198E+005	1.241E+005
-22	1.090E+005	1.128E+005	1.168E+005
-21	1.028E+005	1.063E+005	1.100E+005
-20	9.694E+004	1.002E+005	1.036E+005
-19	9.148E+004	9.454E+004	9.768E+004
-18	8.636E+004	8.919E+004	9.210E+004
-17	8.156E+004	8.418E+004	8.687E+004
-16	7.704E+004	7.947E+004	8.197E+004
-15	7.281E+004	7.506E+004	7.737E+004
-14	6.882E+004	7.091E+004	7.305E+004
-13	6.508E+004	6.701E+004	6.900E+004
-12	6.156E+004	6.336E+004	6.519E+004
-11	5.825E+004	5.992E+004	6.162E+004
-10	5.514E+004	5.668E+004	5.826E+004
-9	5.221E+004	5.364E+004	5.510E+004
-8	4.945E+004	5.077E+004	5.213E+004
-7	4.685E+004	4.808E+004	4.933E+004
-6	4.440E+004	4.554E+004	4.671E+004
-5	4.210E+004	4.316E+004	4.424E+004
-4	3.993E+004	4.091E+004	4.191E+004
-3	3.789E+004	3.879E+004	3.972E+004
-2	3.596E+004	3.680E+004	3.766E+004
-1	3.414E+004	3.492E+004	3.572E+004
0	3.242E+004	3.315E+004	3.389E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	3.242E+004	3.315E+004	3.389E+004
1	3.081E+004	3.148E+004	3.216E+004
2	2.928E+004	2.990E+004	3.053E+004
3	2.784E+004	2.841E+004	2.900E+004
4	2.647E+004	2.701E+004	2.755E+004
5	2.518E+004	2.568E+004	2.618E+004
6	2.396E+004	2.442E+004	2.489E+004
7	2.281E+004	2.324E+004	2.367E+004
8	2.172E+004	2.212E+004	2.252E+004
9	2.069E+004	2.106E+004	2.143E+004
10	1.971E+004	2.005E+004	2.040E+004
11	1.879E+004	1.910E+004	1.942E+004
12	1.791E+004	1.820E+004	1.850E+004
13	1.708E+004	1.735E+004	1.762E+004
14	1.630E+004	1.655E+004	1.680E+004
15	1.555E+004	1.578E+004	1.601E+004
16	1.485E+004	1.506E+004	1.527E+004
17	1.418E+004	1.437E+004	1.457E+004
18	1.354E+004	1.372E+004	1.390E+004
19	1.294E+004	1.310E+004	1.327E+004
20	1.236E+004	1.252E+004	1.267E+004
21	1.182E+004	1.196E+004	1.210E+004
22	1.130E+004	1.143E+004	1.156E+004
23	1.081E+004	1.093E+004	1.105E+004
24	1.034E+004	1.045E+004	1.056E+004
25	9.900E+003	1.000E+004	1.010E+004
26	9.470E+003	9.570E+003	9.669E+003
27	9.061E+003	9.160E+003	9.260E+003
28	8.672E+003	8.771E+003	8.870E+003
29	8.302E+003	8.401E+003	8.499E+003
30	7.951E+003	8.048E+003	8.146E+003
31	7.616E+003	7.713E+003	7.810E+003
32	7.297E+003	7.393E+003	7.490E+003
33	6.994E+003	7.089E+003	7.185E+003
34	6.705E+003	6.799E+003	6.894E+003
35	6.430E+003	6.523E+003	6.617E+003
36	6.168E+003	6.260E+003	6.352E+003
37	5.918E+003	6.009E+003	6.100E+003
38	5.680E+003	5.769E+003	5.859E+003
39	5.453E+003	5.541E+003	5.629E+003
40	5.236E+003	5.323E+003	5.410E+003

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH20-3V103F[T,B]

RESISTANCE(at25℃)	10000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	3924 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	5.236E+003	5.323E+003	5.410E+003
41	5.030E+003	5.115E+003	5.201E+003
42	4.832E+003	4.916E+003	5.001E+003
43	4.644E+003	4.726E+003	4.809E+003
44	4.464E+003	4.545E+003	4.627E+003
45	4.292E+003	4.372E+003	4.452E+003
46	4.128E+003	4.206E+003	4.285E+003
47	3.971E+003	4.048E+003	4.125E+003
48	3.821E+003	3.896E+003	3.972E+003
49	3.677E+003	3.751E+003	3.826E+003
50	3.540E+003	3.612E+003	3.686E+003
51	3.409E+003	3.480E+003	3.552E+003
52	3.283E+003	3.353E+003	3.423E+003
53	3.163E+003	3.231E+003	3.300E+003
54	3.047E+003	3.114E+003	3.182E+003
55	2.937E+003	3.003E+003	3.069E+003
56	2.831E+003	2.895E+003	2.961E+003
57	2.730E+003	2.793E+003	2.857E+003
58	2.633E+003	2.695E+003	2.757E+003
59	2.540E+003	2.600E+003	2.662E+003
60	2.451E+003	2.510E+003	2.570E+003
61	2.365E+003	2.423E+003	2.482E+003
62	2.283E+003	2.340E+003	2.398E+003
63	2.205E+003	2.260E+003	2.317E+003
64	2.129E+003	2.184E+003	2.239E+003
65	2.057E+003	2.110E+003	2.165E+003
66	1.987E+003	2.039E+003	2.093E+003
67	1.920E+003	1.971E+003	2.024E+003
68	1.856E+003	1.906E+003	1.957E+003
69	1.794E+003	1.843E+003	1.894E+003
70	1.735E+003	1.783E+003	1.832E+003
71	1.678E+003	1.725E+003	1.773E+003
72	1.623E+003	1.670E+003	1.717E+003
73	1.571E+003	1.616E+003	1.662E+003
74	1.520E+003	1.564E+003	1.610E+003
75	1.472E+003	1.515E+003	1.559E+003
76	1.425E+003	1.467E+003	1.510E+003
77	1.380E+003	1.421E+003	1.464E+003
78	1.336E+003	1.377E+003	1.418E+003
79	1.294E+003	1.334E+003	1.375E+003
80	1.254E+003	1.293E+003	1.333E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.254E+003	1.293E+003	1.333E+003
81	1.215E+003	1.254E+003	1.293E+003
82	1.178E+003	1.215E+003	1.254E+003
83	1.142E+003	1.179E+003	1.216E+003
84	1.108E+003	1.143E+003	1.180E+003
85	1.074E+003	1.109E+003	1.145E+003
86	1.042E+003	1.076E+003	1.112E+003
87	1.011E+003	1.044E+003	1.079E+003
88	9.809E+002	1.014E+003	1.048E+003
89	9.520E+002	9.842E+002	1.017E+003
90	9.241E+002	9.557E+002	9.883E+002
91	8.972E+002	9.281E+002	9.601E+002
92	8.712E+002	9.015E+002	9.328E+002
93	8.462E+002	8.759E+002	9.065E+002
94	8.219E+002	8.510E+002	8.811E+002
95	7.985E+002	8.270E+002	8.565E+002
96	7.759E+002	8.038E+002	8.327E+002
97	7.541E+002	7.814E+002	8.097E+002
98	7.329E+002	7.598E+002	7.875E+002
99	7.125E+002	7.388E+002	7.660E+002
100	6.928E+002	7.185E+002	7.452E+002
101	6.736E+002	6.989E+002	7.250E+002
102	6.551E+002	6.799E+002	7.055E+002
103	6.372E+002	6.615E+002	6.866E+002
104	6.199E+002	6.437E+002	6.683E+002
105	6.032E+002	6.265E+002	6.506E+002
106	5.870E+002	6.098E+002	6.335E+002
107	5.713E+002	5.937E+002	6.169E+002
108	5.562E+002	5.781E+002	6.009E+002
109	5.415E+002	5.630E+002	5.853E+002
110	5.273E+002	5.484E+002	5.703E+002
111	5.135E+002	5.342E+002	5.557E+002
112	5.002E+002	5.205E+002	5.416E+002
113	4.873E+002	5.072E+002	5.279E+002
114	4.748E+002	4.944E+002	5.147E+002
115	4.627E+002	4.819E+002	5.018E+002
116	4.510E+002	4.698E+002	4.893E+002
117	4.396E+002	4.581E+002	4.772E+002
118	4.286E+002	4.467E+002	4.655E+002
119	4.179E+002	4.357E+002	4.541E+002
120	4.075E+002	4.250E+002	4.431E+002
121	3.975E+002	4.146E+002	4.324E+002
122	3.877E+002	4.045E+002	4.220E+002
123	3.783E+002	3.947E+002	4.119E+002
124	3.691E+002	3.852E+002	4.021E+002
125	3.601E+002	3.760E+002	3.925E+002