NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN20-3V103J [T,B]

RESISTANCE(at25℃)	10000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3924 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	2.969E+005	3.489E+005	4.090E+005
-39	2.788E+005	3.269E+005	3.824E+005
-38	2.618E+005	3.064E+005	3.576E+005
-37	2.460E+005	2.872E+005	3.345E+005
-36	2.311E+005	2.693E+005	3.130E+005
-35	2.172E+005	2.526E+005	2.929E+005
-34	2.042E+005	2.370E+005	2.743E+005
-33	1.921E+005	2.224E+005	2.569E+005
-32	1.807E+005	2.088E+005	2.407E+005
-31	1.700E+005	1.961E+005	2.256E+005
-30	1.600E+005	1.842E+005	2.114E+005
-29	1.506E+005	1.730E+005	1.982E+005
-28	1.418E+005	1.626E+005	1.859E+005
-27	1.335E+005	1.528E+005	1.744E+005
-26	1.258E+005	1.437E+005	1.637E+005
-25	1.186E+005	1.352E+005	1.537E+005
-24	1.118E+005	1.272E+005	1.444E+005
-23	1.055E+005	1.198E+005	1.357E+005
-22	9.957E+004	1.128E+005	1.276E+005
-21	9.400E+004	1.063E+005	1.200E+005
-20	8.877E+004	1.002E+005	1.129E+005
-19	8.388E+004	9.454E+004	1.063E+005
-18	7.928E+004	8.919E+004	1.001E+005
-17	7.496E+004	8.418E+004	9.430E+004
-16	7.089E+004	7.947E+004	8.887E+004
-15	6.707E+004	7.506E+004	8.378E+004
-14	6.348E+004	7.091E+004	7.901E+004
-13	6.010E+004	6.701E+004	7.454E+004
-12	5.691E+004	6.336E+004	7.035E+004
-11	5.392E+004	5.992E+004	6.642E+004
-10	5.109E+004	5.668E+004	6.273E+004
-9	4.843E+004	5.364E+004	5.925E+004
-8	4.592E+004	5.077E+004	5.600E+004
-7	4.356E+004	4.808E+004	5.294E+004
-6	4.133E+004	4.554E+004	5.006E+004
-5	3.923E+004	4.316E+004	4.736E+004
-4	3.725E+004	4.091E+004	4.482E+004
-3	3.538E+004	3.879E+004	4.244E+004
-2	3.361E+004	3.680E+004	4.019E+004
-1	3.195E+004	3.492E+004	3.808E+004
0	3.037E+004	3.315E+004	3.609E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	3.037E+004	3.315E+004	3.609E+004
1	2.889E+004	3.148E+004	3.421E+004
2	2.748E+004	2.990E+004	3.245E+004
3	2.616E+004	2.841E+004	3.079E+004
4	2.490E+004	2.701E+004	2.922E+004
5	2.371E+004	2.568E+004	2.774E+004
6	2.259E+004	2.442E+004	2.634E+004
7	2.152E+004	2.324E+004	2.503E+004
8	2.052E+004	2.212E+004	2.378E+004
9	1.956E+004	2.106E+004	2.261E+004
10	1.866E+004	2.005E+004	2.150E+004
11	1.780E+004	1.910E+004	2.045E+004
12	1.699E+004	1.820E+004	1.946E+004
13	1.621E+004	1.735E+004	1.852E+004
14	1.548E+004	1.655E+004	1.764E+004
15	1.479E+004	1.578E+004	1.680E+004
16	1.413E+004	1.506E+004	1.601E+004
17	1.350E+004	1.437E+004	1.525E+004
18	1.291E+004	1.372E+004	1.454E+004
19	1.235E+004	1.310E+004	1.387E+004
20	1.181E+004	1.252E+004	1.323E+004
21	1.130E+004	1.196E+004	1.263E+004
22	1.082E+004	1.143E+004	1.205E+004
23	1.036E+004	1.093E+004	1.151E+004
24	9.917E+003	1.045E+004	1.099E+004
25	9.500E+003	1.000E+004	1.050E+004
26	9.079E+003	9.570E+003	1.006E+004
27	8.679E+003	9.160E+003	9.644E+003
28	8.300E+003	8.771E+003	9.246E+003
29	7.939E+003	8.401E+003	8.867E+003
30	7.596E+003	8.048E+003	8.506E+003
31	7.270E+003	7.713E+003	8.162E+003
32	6.960E+003	7.393E+003	7.834E+003
33	6.666E+003	7.089E+003	7.521E+003
34	6.385E+003	6.799E+003	7.222E+003
35	6.118E+003	6.523E+003	6.938E+003
36	5.864E+003	6.260E+003	6.666E+003
37	5.622E+003	6.009E+003	6.406E+003
38	5.391E+003	5.769E+003	6.159E+003
39	5.171E+003	5.541E+003	5.922E+003
40	4.962E+003	5.323E+003	5.696E+003

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TYPE	TN20-3V103J [T,B]

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T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	4.962E+003	5.323E+003	5.696E+003
41	4.762E+003	5.115E+003	5.480E+003
42	4.572E+003	4.916E+003	5.273E+003
43	4.390E+003	4.726E+003	5.075E+003
44	4.217E+003	4.545E+003	4.886E+003
45	4.051E+003	4.372E+003	4.706E+003
46	3.893E+003	4.206E+003	4.532E+003
47	3.742E+003	4.048E+003	4.367E+003
48	3.598E+003	3.896E+003	4.208E+003
49	3.460E+003	3.751E+003	4.056E+003
50	3.329E+003	3.612E+003	3.911E+003
51	3.203E+003	3.480E+003	3.771E+003
52	3.082E+003	3.353E+003	3.637E+003
53	2.967E+003	3.231E+003	3.509E+003
54	2.857E+003	3.114E+003	3.386E+003
55	2.751E+003	3.003E+003	3.269E+003
56	2.650E+003	2.895E+003	3.155E+003
57	2.554E+003	2.793E+003	3.047E+003
58	2.461E+003	2.695E+003	2.943E+003
59	2.372E+003	2.600E+003	2.843E+003
60	2.288E+003	2.510E+003	2.747E+003
61	2.206E+003	2.423E+003	2.655E+003
62	2.128E+003	2.340E+003	2.567E+003
63	2.053E+003	2.260E+003	2.482E+003
64	1.982E+003	2.184E+003	2.400E+003
65	1.913E+003	2.110E+003	2.321E+003
66	1.847E+003	2.039E+003	2.246E+003
67	1.784E+003	1.971E+003	2.173E+003
68	1.723E+003	1.906E+003	2.104E+003
69	1.665E+003	1.843E+003	2.036E+003
70	1.609E+003	1.783E+003	1.972E+003
71	1.555E+003	1.725E+003	1.910E+003
72	1.503E+003	1.670E+003	1.850E+003
73	1.453E+003	1.616E+003	1.792E+003
74	1.406E+003	1.564E+003	1.737E+003
75	1.360E+003	1.515E+003	1.683E+003
76	1.316E+003	1.467E+003	1.632E+003
77	1.273E+003	1.421E+003	1.582E+003
78	1.232E+003	1.377E+003	1.534E+003
79	1.193E+003	1.334E+003	1.488E+003
80	1.155E+003	1.293E+003	1.444E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.155E+003	1.293E+003	1.444E+003
81	1.119E+003	1.254E+003	1.401E+003
82	1.084E+003	1.215E+003	1.360E+003
83	1.050E+003	1.179E+003	1.320E+003
84	1.018E+003	1.143E+003	1.281E+003
85	9.863E+002	1.109E+003	1.244E+003
86	9.561E+002	1.076E+003	1.208E+003
87	9.271E+002	1.044E+003	1.174E+003
88	8.990E+002	1.014E+003	1.140E+003
89	8.720E+002	9.842E+002	1.108E+003
90	8.460E+002	9.557E+002	1.077E+003
91	8.208E+002	9.281E+002	1.047E+003
92	7.966E+002	9.015E+002	1.018E+003
93	7.732E+002	8.759E+002	9.896E+002
94	7.507E+002	8.510E+002	9.624E+002
95	7.289E+002	8.270E+002	9.361E+002
96	7.078E+002	8.038E+002	9.106E+002
97	6.875E+002	7.814E+002	8.860E+002
98	6.678E+002	7.598E+002	8.622E+002
99	6.489E+002	7.388E+002	8.391E+002
100	6.305E+002	7.185E+002	8.168E+002
101	6.128E+002	6.989E+002	7.951E+002
102	5.956E+002	6.799E+002	7.741E+002
103	5.790E+002	6.615E+002	7.538E+002
104	5.630E+002	6.437E+002	7.341E+002
105	5.475E+002	6.265E+002	7.151E+002
106	5.325E+002	6.098E+002	6.967E+002
107	5.180E+002	5.937E+002	6.788E+002
108	5.040E+002	5.781E+002	6.615E+002
109	4.904E+002	5.630E+002	6.448E+002
110	4.773E+002	5.484E+002	6.285E+002
111	4.646E+002	5.342E+002	6.128E+002
112	4.523E+002	5.205E+002	5.975E+002
113	4.404E+002	5.072E+002	5.828E+002
114	4.289E+002	4.944E+002	5.684E+002
115	4.178E+002	4.819E+002	5.545E+002
116	4.069E+002	4.698E+002	5.410E+002
117	3.965E+002	4.581E+002	5.279E+002
118	3.863E+002	4.467E+002	5.152E+002
119	3.765E+002	4.357E+002	5.029E+002
120	3.670E+002	4.250E+002	4.909E+002
121	3.577E+002	4.146E+002	4.792E+002
122	3.488E+002	4.045E+002	4.679E+002
123	3.401E+002	3.947E+002	4.570E+002
124	3.317E+002	3.852E+002	4.463E+002
125	3.235E+002	3.760E+002	4.360E+002