NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN20-4D154J [T,B]

RESISTANCE(at25℃)	150000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	4150 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	5.169E+006	6.113E+006	7.211E+006
-39	4.830E+006	5.699E+006	6.707E+006
-38	4.515E+006	5.316E+006	6.242E+006
-37	4.223E+006	4.961E+006	5.812E+006
-36	3.952E+006	4.632E+006	5.415E+006
-35	3.700E+006	4.327E+006	5.047E+006
-34	3.465E+006	4.044E+006	4.707E+006
-33	3.247E+006	3.781E+006	4.391E+006
-32	3.045E+006	3.537E+006	4.100E+006
-31	2.856E+006	3.311E+006	3.829E+006
-30	2.680E+006	3.100E+006	3.578E+006
-29	2.516E+006	2.905E+006	3.345E+006
-28	2.363E+006	2.722E+006	3.129E+006
-27	2.220E+006	2.553E+006	2.928E+006
-26	2.087E+006	2.395E+006	2.741E+006
-25	1.963E+006	2.248E+006	2.567E+006
-24	1.847E+006	2.110E+006	2.406E+006
-23	1.738E+006	1.982E+006	2.255E+006
-22	1.637E+006	1.863E+006	2.115E+006
-21	1.542E+006	1.751E+006	1.984E+006
-20	1.453E+006	1.647E+006	1.863E+006
-19	1.370E+006	1.550E+006	1.750E+006
-18	1.292E+006	1.459E+006	1.644E+006
-17	1.219E+006	1.374E+006	1.545E+006
-16	1.150E+006	1.294E+006	1.453E+006
-15	1.086E+006	1.220E+006	1.366E+006
-14	1.026E+006	1.150E+006	1.286E+006
-13	9.693E+005	1.084E+006	1.210E+006
-12	9.161E+005	1.023E+006	1.140E+006
-11	8.661E+005	9.655E+005	1.074E+006
-10	8.192E+005	9.115E+005	1.012E+006
-9	7.749E+005	8.607E+005	9.537E+005
-8	7.333E+005	8.131E+005	8.993E+005
-7	6.942E+005	7.684E+005	8.484E+005
-6	6.574E+005	7.264E+005	8.006E+005
-5	6.228E+005	6.870E+005	7.558E+005
-4	5.902E+005	6.499E+005	7.138E+005
-3	5.595E+005	6.151E+005	6.744E+005
-2	5.306E+005	5.823E+005	6.374E+005
-1	5.034E+005	5.514E+005	6.026E+005
0	4.777E+005	5.224E+005	5.699E+005

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	4.777E+005	5.224E+005	5.699E+005
1	4.535E+005	4.951E+005	5.392E+005
2	4.306E+005	4.694E+005	5.104E+005
3	4.091E+005	4.452E+005	4.832E+005
4	3.887E+005	4.223E+005	4.577E+005
5	3.695E+005	4.008E+005	4.336E+005
6	3.513E+005	3.804E+005	4.110E+005
7	3.341E+005	3.613E+005	3.896E+005
8	3.179E+005	3.431E+005	3.695E+005
9	3.025E+005	3.261E+005	3.506E+005
10	2.880E+005	3.099E+005	3.327E+005
11	2.742E+005	2.946E+005	3.158E+005
12	2.612E+005	2.802E+005	2.999E+005
13	2.488E+005	2.666E+005	2.848E+005
14	2.372E+005	2.537E+005	2.707E+005
15	2.261E+005	2.415E+005	2.573E+005
16	2.156E+005	2.300E+005	2.446E+005
17	2.057E+005	2.190E+005	2.327E+005
18	1.963E+005	2.087E+005	2.214E+005
19	1.874E+005	1.989E+005	2.107E+005
20	1.789E+005	1.897E+005	2.006E+005
21	1.708E+005	1.809E+005	1.910E+005
22	1.632E+005	1.725E+005	1.819E+005
23	1.560E+005	1.646E+005	1.733E+005
24	1.491E+005	1.571E+005	1.652E+005
25	1.425E+005	1.500E+005	1.575E+005
26	1.359E+005	1.432E+005	1.506E+005
27	1.296E+005	1.368E+005	1.441E+005
28	1.237E+005	1.307E+005	1.378E+005
29	1.180E+005	1.249E+005	1.319E+005
30	1.127E+005	1.194E+005	1.263E+005
31	1.076E+005	1.142E+005	1.209E+005
32	1.028E+005	1.092E+005	1.158E+005
33	9.818E+004	1.045E+005	1.109E+005
34	9.383E+004	9.998E+004	1.063E+005
35	8.969E+004	9.570E+004	1.019E+005
36	8.576E+004	9.163E+004	9.765E+004
37	8.202E+004	8.775E+004	9.363E+004
38	7.847E+004	8.405E+004	8.981E+004
39	7.509E+004	8.053E+004	8.616E+004
40	7.187E+004	7.718E+004	8.268E+004

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T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	7.187E+004	7.718E+004	8.268E+004
41	6.881E+004	7.399E+004	7.935E+004
42	6.589E+004	7.094E+004	7.618E+004
43	6.311E+004	6.803E+004	7.316E+004
44	6.047E+004	6.526E+004	7.026E+004
45	5.795E+004	6.262E+004	6.750E+004
46	5.555E+004	6.010E+004	6.486E+004
47	5.326E+004	5.769E+004	6.234E+004
48	5.107E+004	5.539E+004	5.993E+004
49	4.899E+004	5.320E+004	5.762E+004
50	4.700E+004	5.110E+004	5.542E+004
51	4.511E+004	4.910E+004	5.331E+004
52	4.330E+004	4.718E+004	5.129E+004
53	4.157E+004	4.535E+004	4.936E+004
54	3.992E+004	4.360E+004	4.751E+004
55	3.834E+004	4.193E+004	4.574E+004
56	3.683E+004	4.033E+004	4.404E+004
57	3.539E+004	3.880E+004	4.242E+004
58	3.402E+004	3.733E+004	4.086E+004
59	3.270E+004	3.593E+004	3.937E+004
60	3.144E+004	3.458E+004	3.794E+004
61	3.024E+004	3.330E+004	3.657E+004
62	2.909E+004	3.206E+004	3.525E+004
63	2.798E+004	3.088E+004	3.399E+004
64	2.693E+004	2.975E+004	3.278E+004
65	2.592E+004	2.866E+004	3.162E+004
66	2.495E+004	2.762E+004	3.051E+004
67	2.403E+004	2.663E+004	2.944E+004
68	2.314E+004	2.567E+004	2.841E+004
69	2.229E+004	2.476E+004	2.743E+004
70	2.148E+004	2.388E+004	2.648E+004
71	2.070E+004	2.304E+004	2.558E+004
72	1.995E+004	2.223E+004	2.471E+004
73	1.924E+004	2.145E+004	2.387E+004
74	1.855E+004	2.071E+004	2.307E+004
75	1.789E+004	1.999E+004	2.229E+004
76	1.726E+004	1.931E+004	2.155E+004
77	1.665E+004	1.865E+004	2.083E+004
78	1.607E+004	1.801E+004	2.015E+004
79	1.551E+004	1.740E+004	1.948E+004
80	1.497E+004	1.682E+004	1.885E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.497E+004	1.682E+004	1.885E+004
81	1.446E+004	1.625E+004	1.823E+004
82	1.396E+004	1.571E+004	1.764E+004
83	1.348E+004	1.519E+004	1.707E+004
84	1.303E+004	1.469E+004	1.653E+004
85	1.259E+004	1.421E+004	1.600E+004
86	1.216E+004	1.374E+004	1.549E+004
87	1.176E+004	1.330E+004	1.500E+004
88	1.136E+004	1.287E+004	1.453E+004
89	1.099E+004	1.245E+004	1.408E+004
90	1.062E+004	1.205E+004	1.364E+004
91	1.028E+004	1.167E+004	1.321E+004
92	9.939E+003	1.129E+004	1.280E+004
93	9.615E+003	1.094E+004	1.241E+004
94	9.303E+003	1.059E+004	1.203E+004
95	9.004E+003	1.026E+004	1.166E+004
96	8.715E+003	9.941E+003	1.131E+004
97	8.438E+003	9.633E+003	1.097E+004
98	8.170E+003	9.336E+003	1.064E+004
99	7.913E+003	9.050E+003	1.033E+004
100	7.665E+003	8.775E+003	1.002E+004
101	7.427E+003	8.509E+003	9.726E+003
102	7.197E+003	8.254E+003	9.442E+003
103	6.975E+003	8.007E+003	9.167E+003
104	6.762E+003	7.768E+003	8.902E+003
105	6.556E+003	7.538E+003	8.646E+003
106	6.357E+003	7.316E+003	8.399E+003
107	6.166E+003	7.102E+003	8.160E+003
108	5.981E+003	6.895E+003	7.929E+003
109	5.803E+003	6.695E+003	7.706E+003
110	5.631E+003	6.502E+003	7.490E+003
111	5.465E+003	6.316E+003	7.282E+003
112	5.304E+003	6.136E+003	7.080E+003
113	5.150E+003	5.962E+003	6.885E+003
114	5.000E+003	5.794E+003	6.696E+003
115	4.856E+003	5.631E+003	6.514E+003
116	4.716E+003	5.474E+003	6.337E+003
117	4.581E+003	5.322E+003	6.166E+003
118	4.451E+003	5.174E+003	6.000E+003
119	4.325E+003	5.032E+003	5.840E+003
120	4.203E+003	4.894E+003	5.685E+003
121	4.086E+003	4.761E+003	5.534E+003
122	3.972E+003	4.632E+003	5.389E+003
123	3.861E+003	4.507E+003	5.247E+003
124	3.755E+003	4.386E+003	5.111E+003
125	3.652E+003	4.269E+003	4.978E+003