NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN20-3E102J [T,B]

RESISTANCE(at25℃)	1000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3200 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.570E+004	1.808E+004	2.077E+004
-39	1.489E+004	1.711E+004	1.962E+004
-38	1.412E+004	1.620E+004	1.855E+004
-37	1.340E+004	1.535E+004	1.753E+004
-36	1.272E+004	1.454E+004	1.659E+004
-35	1.207E+004	1.378E+004	1.570E+004
-34	1.147E+004	1.307E+004	1.486E+004
-33	1.090E+004	1.240E+004	1.407E+004
-32	1.036E+004	1.177E+004	1.333E+004
-31	9.851E+003	1.117E+004	1.264E+004
-30	9.371E+003	1.061E+004	1.198E+004
-29	8.918E+003	1.008E+004	1.137E+004
-28	8.490E+003	9.581E+003	1.079E+004
-27	8.085E+003	9.110E+003	1.024E+004
-26	7.702E+003	8.664E+003	9.723E+003
-25	7.339E+003	8.244E+003	9.236E+003
-24	6.996E+003	7.846E+003	8.777E+003
-23	6.671E+003	7.470E+003	8.343E+003
-22	6.363E+003	7.114E+003	7.934E+003
-21	6.072E+003	6.778E+003	7.547E+003
-20	5.795E+003	6.459E+003	7.182E+003
-19	5.533E+003	6.158E+003	6.836E+003
-18	5.284E+003	5.872E+003	6.509E+003
-17	5.048E+003	5.601E+003	6.200E+003
-16	4.823E+003	5.345E+003	5.908E+003
-15	4.611E+003	5.102E+003	5.631E+003
-14	4.409E+003	4.871E+003	5.369E+003
-13	4.217E+003	4.653E+003	5.121E+003
-12	4.035E+003	4.445E+003	4.886E+003
-11	3.862E+003	4.249E+003	4.663E+003
-10	3.697E+003	4.062E+003	4.452E+003
-9	3.540E+003	3.884E+003	4.251E+003
-8	3.391E+003	3.716E+003	4.061E+003
-7	3.249E+003	3.556E+003	3.881E+003
-6	3.115E+003	3.403E+003	3.709E+003
-5	2.986E+003	3.258E+003	3.547E+003
-4	2.864E+003	3.121E+003	3.392E+003
-3	2.747E+003	2.990E+003	3.246E+003
-2	2.636E+003	2.865E+003	3.106E+003
-1	2.530E+003	2.746E+003	2.974E+003
0	2.429E+003	2.633E+003	2.848E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	2.429E+003	2.633E+003	2.848E+003
1	2.333E+003	2.525E+003	2.728E+003
2	2.241E+003	2.423E+003	2.613E+003
3	2.153E+003	2.325E+003	2.505E+003
4	2.069E+003	2.232E+003	2.401E+003
5	1.989E+003	2.143E+003	2.303E+003
6	1.913E+003	2.058E+003	2.209E+003
7	1.839E+003	1.977E+003	2.119E+003
8	1.770E+003	1.899E+003	2.034E+003
9	1.703E+003	1.826E+003	1.952E+003
10	1.639E+003	1.755E+003	1.875E+003
11	1.578E+003	1.688E+003	1.801E+003
12	1.520E+003	1.624E+003	1.730E+003
13	1.464E+003	1.562E+003	1.662E+003
14	1.410E+003	1.503E+003	1.598E+003
15	1.359E+003	1.447E+003	1.536E+003
16	1.310E+003	1.393E+003	1.477E+003
17	1.263E+003	1.341E+003	1.421E+003
18	1.218E+003	1.292E+003	1.367E+003
19	1.175E+003	1.245E+003	1.316E+003
20	1.133E+003	1.199E+003	1.266E+003
21	1.093E+003	1.156E+003	1.219E+003
22	1.055E+003	1.114E+003	1.174E+003
23	1.019E+003	1.075E+003	1.131E+003
24	9.837E+002	1.037E+003	1.090E+003
25	9.500E+002	1.000E+003	1.050E+003
26	9.157E+002	9.650E+002	1.014E+003
27	8.829E+002	9.314E+002	9.800E+002
28	8.514E+002	8.991E+002	9.471E+002
29	8.213E+002	8.682E+002	9.155E+002
30	7.924E+002	8.385E+002	8.851E+002
31	7.646E+002	8.100E+002	8.559E+002
32	7.380E+002	7.826E+002	8.279E+002
33	7.125E+002	7.563E+002	8.009E+002
34	6.880E+002	7.311E+002	7.749E+002
35	6.645E+002	7.068E+002	7.499E+002
36	6.419E+002	6.835E+002	7.259E+002
37	6.202E+002	6.611E+002	7.028E+002
38	5.994E+002	6.395E+002	6.806E+002
39	5.794E+002	6.188E+002	6.591E+002
40	5.602E+002	5.988E+002	6.385E+002

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN20-3E102J [T,B]

RESISTANCE(at25℃)	1000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3200 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	5.602E+002	5.988E+002	6.385E+002
41	5.417E+002	5.796E+002	6.186E+002
42	5.239E+002	5.611E+002	5.995E+002
43	5.068E+002	5.433E+002	5.811E+002
44	4.904E+002	5.262E+002	5.633E+002
45	4.745E+002	5.097E+002	5.462E+002
46	4.593E+002	4.938E+002	5.296E+002
47	4.447E+002	4.785E+002	5.137E+002
48	4.306E+002	4.638E+002	4.984E+002
49	4.170E+002	4.496E+002	4.835E+002
50	4.039E+002	4.359E+002	4.692E+002
51	3.913E+002	4.227E+002	4.555E+002
52	3.792E+002	4.100E+002	4.421E+002
53	3.675E+002	3.977E+002	4.293E+002
54	3.563E+002	3.859E+002	4.169E+002
55	3.454E+002	3.744E+002	4.049E+002
56	3.349E+002	3.634E+002	3.933E+002
57	3.248E+002	3.528E+002	3.822E+002
58	3.151E+002	3.425E+002	3.714E+002
59	3.057E+002	3.326E+002	3.609E+002
60	2.967E+002	3.230E+002	3.508E+002
61	2.879E+002	3.138E+002	3.411E+002
62	2.795E+002	3.048E+002	3.317E+002
63	2.713E+002	2.962E+002	3.226E+002
64	2.635E+002	2.879E+002	3.137E+002
65	2.559E+002	2.798E+002	3.052E+002
66	2.486E+002	2.720E+002	2.970E+002
67	2.415E+002	2.645E+002	2.890E+002
68	2.346E+002	2.572E+002	2.813E+002
69	2.280E+002	2.502E+002	2.738E+002
70	2.216E+002	2.434E+002	2.666E+002
71	2.155E+002	2.368E+002	2.595E+002
72	2.095E+002	2.304E+002	2.528E+002
73	2.037E+002	2.242E+002	2.462E+002
74	1.981E+002	2.183E+002	2.398E+002
75	1.927E+002	2.125E+002	2.337E+002
76	1.875E+002	2.069E+002	2.277E+002
77	1.825E+002	2.015E+002	2.219E+002
78	1.776E+002	1.962E+002	2.163E+002
79	1.728E+002	1.911E+002	2.108E+002
80	1.682E+002	1.862E+002	2.056E+002

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	1.682E+002	1.862E+002	2.056E+002
81	1.638E+002	1.814E+002	2.004E+002
82	1.595E+002	1.768E+002	1.955E+002
83	1.553E+002	1.723E+002	1.907E+002
84	1.513E+002	1.679E+002	1.860E+002
85	1.474E+002	1.637E+002	1.814E+002
86	1.436E+002	1.596E+002	1.770E+002
87	1.399E+002	1.557E+002	1.728E+002
88	1.363E+002	1.518E+002	1.686E+002
89	1.329E+002	1.481E+002	1.646E+002
90	1.295E+002	1.444E+002	1.607E+002
91	1.263E+002	1.409E+002	1.569E+002
92	1.231E+002	1.375E+002	1.532E+002
93	1.201E+002	1.342E+002	1.496E+002
94	1.171E+002	1.310E+002	1.461E+002
95	1.142E+002	1.278E+002	1.427E+002
96	1.114E+002	1.248E+002	1.394E+002
97	1.087E+002	1.218E+002	1.362E+002
98	1.061E+002	1.190E+002	1.331E+002
99	1.035E+002	1.162E+002	1.301E+002
100	1.011E+002	1.135E+002	1.271E+002
101	9.864E+001	1.109E+002	1.243E+002
102	9.630E+001	1.083E+002	1.215E+002
103	9.403E+001	1.058E+002	1.188E+002
104	9.182E+001	1.034E+002	1.161E+002
105	8.967E+001	1.010E+002	1.136E+002
106	8.758E+001	9.875E+001	1.111E+002
107	8.555E+001	9.653E+001	1.086E+002
108	8.358E+001	9.437E+001	1.063E+002
109	8.166E+001	9.226E+001	1.040E+002
110	7.979E+001	9.021E+001	1.017E+002
111	7.798E+001	8.822E+001	9.955E+001
112	7.622E+001	8.628E+001	9.743E+001
113	7.450E+001	8.439E+001	9.536E+001
114	7.283E+001	8.255E+001	9.334E+001
115	7.121E+001	8.076E+001	9.138E+001
116	6.963E+001	7.902E+001	8.946E+001
117	6.809E+001	7.732E+001	8.760E+001
118	6.659E+001	7.567E+001	8.578E+001
119	6.513E+001	7.406E+001	8.400E+001
120	6.371E+001	7.249E+001	8.228E+001
121	6.233E+001	7.097E+001	8.059E+001
122	6.099E+001	6.948E+001	7.895E+001
123	5.968E+001	6.803E+001	7.735E+001
124	5.840E+001	6.661E+001	7.579E+001
125	5.716E+001	6.523E+001	7.426E+001