NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN20-3A331J [T,B]

RESISTANCE(at25℃)	330 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3000 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	4.375E+003	5.010E+003	5.722E+003
-39	4.160E+003	4.755E+003	5.423E+003
-38	3.956E+003	4.515E+003	5.141E+003
-37	3.764E+003	4.289E+003	4.875E+003
-36	3.583E+003	4.076E+003	4.625E+003
-35	3.412E+003	3.875E+003	4.390E+003
-34	3.250E+003	3.685E+003	4.169E+003
-33	3.097E+003	3.506E+003	3.960E+003
-32	2.952E+003	3.337E+003	3.763E+003
-31	2.815E+003	3.178E+003	3.578E+003
-30	2.685E+003	3.027E+003	3.402E+003
-29	2.563E+003	2.884E+003	3.237E+003
-28	2.446E+003	2.749E+003	3.081E+003
-27	2.336E+003	2.621E+003	2.933E+003
-26	2.231E+003	2.500E+003	2.794E+003
-25	2.132E+003	2.385E+003	2.662E+003
-24	2.038E+003	2.277E+003	2.537E+003
-23	1.949E+003	2.174E+003	2.419E+003
-22	1.864E+003	2.077E+003	2.307E+003
-21	1.784E+003	1.984E+003	2.201E+003
-20	1.708E+003	1.897E+003	2.101E+003
-19	1.635E+003	1.813E+003	2.006E+003
-18	1.566E+003	1.734E+003	1.916E+003
-17	1.500E+003	1.659E+003	1.831E+003
-16	1.438E+003	1.588E+003	1.750E+003
-15	1.378E+003	1.520E+003	1.673E+003
-14	1.322E+003	1.456E+003	1.600E+003
-13	1.268E+003	1.395E+003	1.531E+003
-12	1.217E+003	1.336E+003	1.465E+003
-11	1.168E+003	1.281E+003	1.402E+003
-10	1.121E+003	1.228E+003	1.342E+003
-9	1.076E+003	1.178E+003	1.286E+003
-8	1.034E+003	1.130E+003	1.232E+003
-7	9.934E+002	1.084E+003	1.181E+003
-6	9.548E+002	1.041E+003	1.132E+003
-5	9.178E+002	9.993E+002	1.085E+003
-4	8.826E+002	9.597E+002	1.041E+003
-3	8.488E+002	9.219E+002	9.988E+002
-2	8.166E+002	8.858E+002	9.585E+002
-1	7.858E+002	8.514E+002	9.201E+002
0	7.564E+002	8.185E+002	8.835E+002

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	7.564E+002	8.185E+002	8.835E+002
1	7.281E+002	7.870E+002	8.485E+002
2	7.012E+002	7.569E+002	8.151E+002
3	6.754E+002	7.282E+002	7.832E+002
4	6.507E+002	7.007E+002	7.528E+002
5	6.270E+002	6.745E+002	7.238E+002
6	6.044E+002	6.494E+002	6.960E+002
7	5.827E+002	6.254E+002	6.695E+002
8	5.619E+002	6.024E+002	6.442E+002
9	5.420E+002	5.804E+002	6.200E+002
10	5.230E+002	5.594E+002	5.968E+002
11	5.047E+002	5.392E+002	5.747E+002
12	4.872E+002	5.199E+002	5.535E+002
13	4.704E+002	5.014E+002	5.332E+002
14	4.542E+002	4.837E+002	5.138E+002
15	4.387E+002	4.667E+002	4.952E+002
16	4.238E+002	4.504E+002	4.773E+002
17	4.095E+002	4.347E+002	4.603E+002
18	3.958E+002	4.197E+002	4.439E+002
19	3.826E+002	4.052E+002	4.282E+002
20	3.699E+002	3.914E+002	4.131E+002
21	3.577E+002	3.781E+002	3.986E+002
22	3.460E+002	3.653E+002	3.848E+002
23	3.347E+002	3.531E+002	3.715E+002
24	3.239E+002	3.413E+002	3.587E+002
25	3.135E+002	3.300E+002	3.465E+002
26	3.029E+002	3.191E+002	3.354E+002
27	2.927E+002	3.087E+002	3.248E+002
28	2.829E+002	2.986E+002	3.145E+002
29	2.734E+002	2.890E+002	3.047E+002
30	2.644E+002	2.797E+002	2.952E+002
31	2.557E+002	2.708E+002	2.860E+002
32	2.474E+002	2.622E+002	2.772E+002
33	2.393E+002	2.539E+002	2.687E+002
34	2.316E+002	2.460E+002	2.605E+002
35	2.242E+002	2.383E+002	2.527E+002
36	2.170E+002	2.309E+002	2.451E+002
37	2.101E+002	2.238E+002	2.378E+002
38	2.035E+002	2.170E+002	2.307E+002
39	1.971E+002	2.104E+002	2.239E+002
40	1.910E+002	2.040E+002	2.173E+002

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TYPE	TN20-3A331J [T,B]

RESISTANCE(at25℃)	330 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3000 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	1.910E+002	2.040E+002	2.173E+002
41	1.851E+002	1.979E+002	2.110E+002
42	1.794E+002	1.919E+002	2.048E+002
43	1.739E+002	1.862E+002	1.989E+002
44	1.686E+002	1.807E+002	1.932E+002
45	1.635E+002	1.754E+002	1.877E+002
46	1.586E+002	1.703E+002	1.824E+002
47	1.539E+002	1.654E+002	1.773E+002
48	1.493E+002	1.606E+002	1.723E+002
49	1.449E+002	1.560E+002	1.675E+002
50	1.406E+002	1.515E+002	1.628E+002
51	1.365E+002	1.472E+002	1.584E+002
52	1.325E+002	1.430E+002	1.540E+002
53	1.287E+002	1.390E+002	1.498E+002
54	1.250E+002	1.351E+002	1.457E+002
55	1.214E+002	1.314E+002	1.418E+002
56	1.180E+002	1.277E+002	1.380E+002
57	1.146E+002	1.242E+002	1.343E+002
58	1.114E+002	1.208E+002	1.308E+002
59	1.083E+002	1.176E+002	1.273E+002
60	1.053E+002	1.144E+002	1.240E+002
61	1.024E+002	1.113E+002	1.207E+002
62	9.955E+001	1.083E+002	1.176E+002
63	9.683E+001	1.055E+002	1.146E+002
64	9.420E+001	1.027E+002	1.116E+002
65	9.165E+001	9.999E+001	1.088E+002
66	8.919E+001	9.738E+001	1.060E+002
67	8.681E+001	9.485E+001	1.034E+002
68	8.450E+001	9.240E+001	1.008E+002
69	8.227E+001	9.003E+001	9.827E+001
70	8.011E+001	8.773E+001	9.584E+001
71	7.803E+001	8.551E+001	9.349E+001
72	7.600E+001	8.336E+001	9.120E+001
73	7.404E+001	8.127E+001	8.898E+001
74	7.214E+001	7.925E+001	8.683E+001
75	7.030E+001	7.728E+001	8.474E+001
76	6.852E+001	7.537E+001	8.271E+001
77	6.678E+001	7.352E+001	8.074E+001
78	6.510E+001	7.172E+001	7.882E+001
79	6.347E+001	6.998E+001	7.696E+001
80	6.189E+001	6.828E+001	7.515E+001

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	6.189E+001	6.828E+001	7.515E+001
81	6.035E+001	6.663E+001	7.338E+001
82	5.886E+001	6.503E+001	7.167E+001
83	5.741E+001	6.347E+001	7.001E+001
84	5.600E+001	6.196E+001	6.839E+001
85	5.463E+001	6.049E+001	6.681E+001
86	5.331E+001	5.907E+001	6.528E+001
87	5.202E+001	5.768E+001	6.379E+001
88	5.077E+001	5.633E+001	6.235E+001
89	4.955E+001	5.502E+001	6.094E+001
90	4.837E+001	5.375E+001	5.957E+001
91	4.722E+001	5.250E+001	5.823E+001
92	4.611E+001	5.130E+001	5.693E+001
93	4.502E+001	5.012E+001	5.566E+001
94	4.397E+001	4.898E+001	5.443E+001
95	4.294E+001	4.787E+001	5.323E+001
96	4.195E+001	4.679E+001	5.207E+001
97	4.098E+001	4.574E+001	5.094E+001
98	4.004E+001	4.472E+001	4.983E+001
99	3.913E+001	4.373E+001	4.876E+001
100	3.824E+001	4.277E+001	4.772E+001
101	3.738E+001	4.183E+001	4.670E+001
102	3.654E+001	4.092E+001	4.572E+001
103	3.573E+001	4.004E+001	4.476E+001
104	3.494E+001	3.918E+001	4.382E+001
105	3.417E+001	3.834E+001	4.291E+001
106	3.341E+001	3.752E+001	4.202E+001
107	3.268E+001	3.672E+001	4.115E+001
108	3.197E+001	3.594E+001	4.030E+001
109	3.128E+001	3.518E+001	3.948E+001
110	3.060E+001	3.444E+001	3.867E+001
111	2.994E+001	3.372E+001	3.788E+001
112	2.930E+001	3.302E+001	3.712E+001
113	2.868E+001	3.234E+001	3.637E+001
114	2.807E+001	3.167E+001	3.564E+001
115	2.747E+001	3.102E+001	3.493E+001
116	2.690E+001	3.038E+001	3.423E+001
117	2.633E+001	2.976E+001	3.356E+001
118	2.578E+001	2.916E+001	3.290E+001
119	2.525E+001	2.857E+001	3.225E+001
120	2.473E+001	2.800E+001	3.162E+001
121	2.422E+001	2.744E+001	3.101E+001
122	2.372E+001	2.689E+001	3.041E+001
123	2.324E+001	2.636E+001	2.982E+001
124	2.276E+001	2.584E+001	2.925E+001
125	2.230E+001	2.533E+001	2.869E+001