

## NTC THERMISTOR R-T CHARACTERISTICS

TYPE TN10-3N332J [T, B]

RESISTANCE (at25°C)	3300 $\Omega$	R-TOLERANCE ( $\pm$ )	5 %
B-VALUE (25/50°C)	3650 K	B-TOLERANCE ( $\pm$ )	3 %

T (°C)	Rmin ( $\Omega$ )	Rnom ( $\Omega$ )	Rmax ( $\Omega$ )
-40	8.337E+004	9.722E+004	1.131E+005
-39	7.824E+004	9.105E+004	1.057E+005
-38	7.346E+004	8.532E+004	9.885E+004
-37	6.901E+004	8.000E+004	9.250E+004
-36	6.486E+004	7.504E+004	8.660E+004
-35	6.099E+004	7.043E+004	8.112E+004
-34	5.738E+004	6.613E+004	7.602E+004
-33	5.401E+004	6.213E+004	7.129E+004
-32	5.086E+004	5.840E+004	6.688E+004
-31	4.792E+004	5.492E+004	6.277E+004
-30	4.517E+004	5.167E+004	5.895E+004
-29	4.260E+004	4.864E+004	5.539E+004
-28	4.019E+004	4.581E+004	5.207E+004
-27	3.794E+004	4.316E+004	4.897E+004
-26	3.583E+004	4.068E+004	4.608E+004
-25	3.385E+004	3.837E+004	4.338E+004
-24	3.199E+004	3.620E+004	4.085E+004
-23	3.025E+004	3.417E+004	3.849E+004
-22	2.861E+004	3.226E+004	3.629E+004
-21	2.708E+004	3.048E+004	3.422E+004
-20	2.564E+004	2.881E+004	3.229E+004
-19	2.428E+004	2.723E+004	3.047E+004
-18	2.300E+004	2.576E+004	2.878E+004
-17	2.180E+004	2.438E+004	2.718E+004
-16	2.068E+004	2.308E+004	2.569E+004
-15	1.961E+004	2.185E+004	2.429E+004
-14	1.861E+004	2.070E+004	2.298E+004
-13	1.767E+004	1.962E+004	2.174E+004
-12	1.678E+004	1.861E+004	2.058E+004
-11	1.594E+004	1.765E+004	1.949E+004
-10	1.515E+004	1.675E+004	1.846E+004
-9	1.440E+004	1.590E+004	1.750E+004
-8	1.370E+004	1.510E+004	1.659E+004
-7	1.303E+004	1.434E+004	1.574E+004
-6	1.241E+004	1.363E+004	1.493E+004
-5	1.181E+004	1.295E+004	1.417E+004
-4	1.125E+004	1.232E+004	1.346E+004
-3	1.072E+004	1.172E+004	1.278E+004
-2	1.021E+004	1.115E+004	1.215E+004
-1	9.738E+003	1.062E+004	1.154E+004
0	9.286E+003	1.011E+004	1.098E+004

T (°C)	Rmin ( $\Omega$ )	Rnom ( $\Omega$ )	Rmax ( $\Omega$ )
0	9.286E+003	1.011E+004	1.098E+004
1	8.859E+003	9.630E+003	1.044E+004
2	8.454E+003	9.176E+003	9.935E+003
3	8.070E+003	8.747E+003	9.457E+003
4	7.706E+003	8.340E+003	9.004E+003
5	7.361E+003	7.955E+003	8.577E+003
6	7.033E+003	7.591E+003	8.172E+003
7	6.722E+003	7.245E+003	7.789E+003
8	6.427E+003	6.917E+003	7.426E+003
9	6.147E+003	6.607E+003	7.083E+003
10	5.881E+003	6.312E+003	6.758E+003
11	5.628E+003	6.032E+003	6.450E+003
12	5.388E+003	5.767E+003	6.157E+003
13	5.159E+003	5.515E+003	5.880E+003
14	4.941E+003	5.275E+003	5.617E+003
15	4.735E+003	5.048E+003	5.368E+003
16	4.538E+003	4.831E+003	5.131E+003
17	4.350E+003	4.626E+003	4.906E+003
18	4.171E+003	4.430E+003	4.693E+003
19	4.001E+003	4.244E+003	4.490E+003
20	3.839E+003	4.067E+003	4.297E+003
21	3.685E+003	3.898E+003	4.114E+003
22	3.537E+003	3.738E+003	3.939E+003
23	3.397E+003	3.585E+003	3.773E+003
24	3.263E+003	3.439E+003	3.615E+003
25	3.135E+003	3.300E+003	3.465E+003
26	3.006E+003	3.168E+003	3.330E+003
27	2.882E+003	3.041E+003	3.201E+003
28	2.765E+003	2.921E+003	3.078E+003
29	2.653E+003	2.806E+003	2.961E+003
30	2.546E+003	2.696E+003	2.848E+003
31	2.444E+003	2.592E+003	2.741E+003
32	2.347E+003	2.492E+003	2.638E+003
33	2.255E+003	2.396E+003	2.540E+003
34	2.166E+003	2.305E+003	2.446E+003
35	2.082E+003	2.218E+003	2.357E+003
36	2.001E+003	2.134E+003	2.271E+003
37	1.924E+003	2.055E+003	2.188E+003
38	1.851E+003	1.978E+003	2.109E+003
39	1.781E+003	1.905E+003	2.034E+003
40	1.713E+003	1.836E+003	1.962E+003

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T (°C)	Rmin ( $\Omega$ )	Rnom ( $\Omega$ )	Rmax ( $\Omega$ )
40	1.713E+003	1.836E+003	1.962E+003
41	1.649E+003	1.769E+003	1.892E+003
42	1.588E+003	1.705E+003	1.826E+003
43	1.529E+003	1.643E+003	1.762E+003
44	1.473E+003	1.585E+003	1.701E+003
45	1.419E+003	1.528E+003	1.642E+003
46	1.367E+003	1.474E+003	1.586E+003
47	1.318E+003	1.423E+003	1.532E+003
48	1.271E+003	1.373E+003	1.480E+003
49	1.225E+003	1.326E+003	1.430E+003
50	1.182E+003	1.280E+003	1.383E+003
51	1.140E+003	1.236E+003	1.337E+003
52	1.100E+003	1.194E+003	1.293E+003
53	1.062E+003	1.154E+003	1.250E+003
54	1.025E+003	1.115E+003	1.210E+003
55	9.903E+002	1.078E+003	1.171E+003
56	9.565E+002	1.042E+003	1.133E+003
57	9.241E+002	1.008E+003	1.097E+003
58	8.930E+002	9.750E+002	1.062E+003
59	8.631E+002	9.433E+002	1.028E+003
60	8.344E+002	9.129E+002	9.962E+002
61	8.069E+002	8.836E+002	9.652E+002
62	7.804E+002	8.554E+002	9.354E+002
63	7.549E+002	8.283E+002	9.066E+002
64	7.305E+002	8.023E+002	8.789E+002
65	7.069E+002	7.772E+002	8.523E+002
66	6.843E+002	7.530E+002	8.266E+002
67	6.625E+002	7.298E+002	8.018E+002
68	6.416E+002	7.074E+002	7.779E+002
69	6.214E+002	6.858E+002	7.549E+002
70	6.020E+002	6.650E+002	7.327E+002
71	5.834E+002	6.450E+002	7.113E+002
72	5.654E+002	6.257E+002	6.907E+002
73	5.481E+002	6.071E+002	6.707E+002
74	5.314E+002	5.891E+002	6.515E+002
75	5.153E+002	5.718E+002	6.329E+002
76	4.998E+002	5.551E+002	6.150E+002
77	4.849E+002	5.390E+002	5.977E+002
78	4.705E+002	5.234E+002	5.809E+002
79	4.566E+002	5.084E+002	5.648E+002
80	4.431E+002	4.939E+002	5.491E+002

T (°C)	Rmin ( $\Omega$ )	Rnom ( $\Omega$ )	Rmax ( $\Omega$ )
80	4.431E+002	4.939E+002	5.491E+002
81	4.302E+002	4.799E+002	5.341E+002
82	4.177E+002	4.664E+002	5.195E+002
83	4.057E+002	4.533E+002	5.053E+002
84	3.940E+002	4.407E+002	4.917E+002
85	3.828E+002	4.285E+002	4.785E+002
86	3.719E+002	4.167E+002	4.657E+002
87	3.615E+002	4.053E+002	4.534E+002
88	3.513E+002	3.943E+002	4.414E+002
89	3.416E+002	3.836E+002	4.298E+002
90	3.321E+002	3.733E+002	4.186E+002
91	3.230E+002	3.634E+002	4.078E+002
92	3.141E+002	3.537E+002	3.973E+002
93	3.056E+002	3.444E+002	3.871E+002
94	2.973E+002	3.353E+002	3.772E+002
95	2.893E+002	3.266E+002	3.677E+002
96	2.816E+002	3.181E+002	3.584E+002
97	2.741E+002	3.099E+002	3.495E+002
98	2.668E+002	3.019E+002	3.408E+002
99	2.598E+002	2.942E+002	3.323E+002
100	2.530E+002	2.868E+002	3.242E+002
101	2.465E+002	2.795E+002	3.162E+002
102	2.401E+002	2.725E+002	3.085E+002
103	2.339E+002	2.657E+002	3.011E+002
104	2.279E+002	2.591E+002	2.938E+002
105	2.222E+002	2.527E+002	2.868E+002
106	2.165E+002	2.465E+002	2.800E+002
107	2.111E+002	2.405E+002	2.734E+002
108	2.058E+002	2.347E+002	2.670E+002
109	2.007E+002	2.290E+002	2.607E+002
110	1.958E+002	2.235E+002	2.546E+002
111	1.909E+002	2.182E+002	2.488E+002
112	1.863E+002	2.130E+002	2.430E+002
113	1.818E+002	2.080E+002	2.375E+002
114	1.774E+002	2.031E+002	2.321E+002
115	1.731E+002	1.984E+002	2.268E+002
116	1.690E+002	1.938E+002	2.217E+002
117	1.649E+002	1.893E+002	2.168E+002
118	1.610E+002	1.850E+002	2.120E+002
119	1.573E+002	1.808E+002	2.073E+002
120	1.536E+002	1.767E+002	2.027E+002
121	1.500E+002	1.727E+002	1.983E+002
122	1.465E+002	1.688E+002	1.940E+002
123	1.432E+002	1.650E+002	1.898E+002
124	1.399E+002	1.614E+002	1.857E+002
125	1.367E+002	1.578E+002	1.817E+002