

## NTC THERMISTOR R-T CHARACTERISTICS

TYPE TN05-3J683J [R, B]

RESISTANCE (at25°C)	68000 Ω	R-TOLERANCE (±)	5 %
B-VALUE (25/50°C)	3450 K	B-TOLERANCE (±)	3 %

T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.331E+006	1.543E+006	1.785E+006
-39	1.256E+006	1.454E+006	1.678E+006
-38	1.186E+006	1.370E+006	1.579E+006
-37	1.120E+006	1.292E+006	1.486E+006
-36	1.059E+006	1.218E+006	1.399E+006
-35	1.001E+006	1.150E+006	1.318E+006
-34	9.465E+005	1.085E+006	1.242E+006
-33	8.956E+005	1.025E+006	1.171E+006
-32	8.479E+005	9.688E+005	1.104E+006
-31	8.029E+005	9.159E+005	1.042E+006
-30	7.607E+005	8.662E+005	9.838E+005
-29	7.211E+005	8.197E+005	9.293E+005
-28	6.838E+005	7.759E+005	8.782E+005
-27	6.487E+005	7.348E+005	8.302E+005
-26	6.156E+005	6.961E+005	7.852E+005
-25	5.844E+005	6.597E+005	7.429E+005
-24	5.550E+005	6.255E+005	7.031E+005
-23	5.272E+005	5.932E+005	6.657E+005
-22	5.010E+005	5.628E+005	6.306E+005
-21	4.763E+005	5.341E+005	5.975E+005
-20	4.529E+005	5.071E+005	5.664E+005
-19	4.308E+005	4.816E+005	5.370E+005
-18	4.100E+005	4.576E+005	5.094E+005
-17	3.903E+005	4.349E+005	4.833E+005
-16	3.716E+005	4.134E+005	4.588E+005
-15	3.540E+005	3.932E+005	4.357E+005
-14	3.373E+005	3.741E+005	4.139E+005
-13	3.215E+005	3.560E+005	3.933E+005
-12	3.066E+005	3.390E+005	3.739E+005
-11	2.924E+005	3.228E+005	3.555E+005
-10	2.790E+005	3.076E+005	3.382E+005
-9	2.663E+005	2.931E+005	3.218E+005
-8	2.542E+005	2.794E+005	3.064E+005
-7	2.428E+005	2.665E+005	2.917E+005
-6	2.320E+005	2.542E+005	2.779E+005
-5	2.217E+005	2.426E+005	2.648E+005
-4	2.119E+005	2.316E+005	2.524E+005
-3	2.026E+005	2.211E+005	2.406E+005
-2	1.938E+005	2.112E+005	2.295E+005
-1	1.854E+005	2.017E+005	2.190E+005
0	1.774E+005	1.928E+005	2.090E+005

T(°C)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	1.774E+005	1.928E+005	2.090E+005
1	1.698E+005	1.843E+005	1.995E+005
2	1.626E+005	1.762E+005	1.905E+005
3	1.558E+005	1.686E+005	1.820E+005
4	1.492E+005	1.613E+005	1.739E+005
5	1.430E+005	1.544E+005	1.662E+005
6	1.371E+005	1.478E+005	1.589E+005
7	1.315E+005	1.415E+005	1.519E+005
8	1.261E+005	1.356E+005	1.454E+005
9	1.210E+005	1.299E+005	1.391E+005
10	1.161E+005	1.245E+005	1.332E+005
11	1.115E+005	1.194E+005	1.275E+005
12	1.071E+005	1.145E+005	1.221E+005
13	1.028E+005	1.098E+005	1.170E+005
14	9.878E+004	1.054E+005	1.121E+005
15	9.493E+004	1.011E+005	1.075E+005
16	9.125E+004	9.709E+004	1.031E+005
17	8.773E+004	9.323E+004	9.884E+004
18	8.437E+004	8.955E+004	9.482E+004
19	8.115E+004	8.603E+004	9.098E+004
20	7.808E+004	8.268E+004	8.732E+004
21	7.514E+004	7.947E+004	8.383E+004
22	7.233E+004	7.640E+004	8.051E+004
23	6.964E+004	7.347E+004	7.733E+004
24	6.706E+004	7.068E+004	7.430E+004
25	6.460E+004	6.800E+004	7.140E+004
26	6.210E+004	6.544E+004	6.879E+004
27	5.971E+004	6.299E+004	6.630E+004
28	5.742E+004	6.065E+004	6.390E+004
29	5.523E+004	5.841E+004	6.161E+004
30	5.314E+004	5.626E+004	5.942E+004
31	5.114E+004	5.421E+004	5.731E+004
32	4.923E+004	5.223E+004	5.528E+004
33	4.740E+004	5.034E+004	5.334E+004
34	4.564E+004	4.853E+004	5.148E+004
35	4.396E+004	4.680E+004	4.969E+004
36	4.235E+004	4.513E+004	4.798E+004
37	4.081E+004	4.354E+004	4.633E+004
38	3.933E+004	4.201E+004	4.475E+004
39	3.792E+004	4.054E+004	4.323E+004
40	3.656E+004	3.913E+004	4.177E+004

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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	3.656E+004	3.913E+004	4.177E+004
41	3.526E+004	3.778E+004	4.037E+004
42	3.401E+004	3.648E+004	3.903E+004
43	3.282E+004	3.524E+004	3.774E+004
44	3.167E+004	3.404E+004	3.649E+004
45	3.057E+004	3.289E+004	3.530E+004
46	2.951E+004	3.179E+004	3.415E+004
47	2.850E+004	3.072E+004	3.304E+004
48	2.753E+004	2.970E+004	3.197E+004
49	2.659E+004	2.872E+004	3.095E+004
50	2.569E+004	2.778E+004	2.996E+004
51	2.483E+004	2.687E+004	2.901E+004
52	2.400E+004	2.600E+004	2.810E+004
53	2.320E+004	2.516E+004	2.722E+004
54	2.243E+004	2.435E+004	2.637E+004
55	2.169E+004	2.357E+004	2.555E+004
56	2.098E+004	2.282E+004	2.476E+004
57	2.030E+004	2.210E+004	2.400E+004
58	1.964E+004	2.140E+004	2.326E+004
59	1.901E+004	2.073E+004	2.256E+004
60	1.840E+004	2.008E+004	2.187E+004
61	1.781E+004	1.946E+004	2.121E+004
62	1.725E+004	1.886E+004	2.058E+004
63	1.670E+004	1.828E+004	1.997E+004
64	1.618E+004	1.772E+004	1.937E+004
65	1.567E+004	1.719E+004	1.880E+004
66	1.518E+004	1.667E+004	1.825E+004
67	1.471E+004	1.616E+004	1.772E+004
68	1.426E+004	1.568E+004	1.720E+004
69	1.382E+004	1.521E+004	1.670E+004
70	1.340E+004	1.476E+004	1.622E+004
71	1.299E+004	1.432E+004	1.575E+004
72	1.260E+004	1.390E+004	1.530E+004
73	1.222E+004	1.349E+004	1.487E+004
74	1.185E+004	1.310E+004	1.444E+004
75	1.149E+004	1.272E+004	1.404E+004
76	1.115E+004	1.235E+004	1.364E+004
77	1.082E+004	1.200E+004	1.326E+004
78	1.051E+004	1.165E+004	1.289E+004
79	1.020E+004	1.132E+004	1.254E+004
80	9.901E+003	1.100E+004	1.219E+004

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	9.901E+003	1.100E+004	1.219E+004
81	9.616E+003	1.069E+004	1.186E+004
82	9.340E+003	1.040E+004	1.154E+004
83	9.073E+003	1.011E+004	1.123E+004
84	8.816E+003	9.827E+003	1.093E+004
85	8.566E+003	9.557E+003	1.064E+004
86	8.325E+003	9.295E+003	1.035E+004
87	8.091E+003	9.041E+003	1.008E+004
88	7.865E+003	8.796E+003	9.812E+003
89	7.646E+003	8.558E+003	9.554E+003
90	7.434E+003	8.327E+003	9.304E+003
91	7.229E+003	8.104E+003	9.061E+003
92	7.030E+003	7.887E+003	8.826E+003
93	6.838E+003	7.677E+003	8.598E+003
94	6.652E+003	7.474E+003	8.376E+003
95	6.471E+003	7.277E+003	8.162E+003
96	6.296E+003	7.085E+003	7.953E+003
97	6.127E+003	6.900E+003	7.751E+003
98	5.963E+003	6.720E+003	7.555E+003
99	5.804E+003	6.546E+003	7.364E+003
100	5.650E+003	6.377E+003	7.179E+003
101	5.501E+003	6.214E+003	7.001E+003
102	5.357E+003	6.056E+003	6.828E+003
103	5.217E+003	5.902E+003	6.659E+003
104	5.081E+003	5.752E+003	6.495E+003
105	4.949E+003	5.607E+003	6.336E+003
106	4.821E+003	5.465E+003	6.180E+003
107	4.696E+003	5.328E+003	6.029E+003
108	4.575E+003	5.194E+003	5.882E+003
109	4.457E+003	5.063E+003	5.738E+003
110	4.342E+003	4.936E+003	5.598E+003
111	4.230E+003	4.812E+003	5.461E+003
112	4.120E+003	4.691E+003	5.327E+003
113	4.014E+003	4.574E+003	5.198E+003
114	3.911E+003	4.459E+003	5.071E+003
115	3.811E+003	4.348E+003	4.948E+003
116	3.714E+003	4.240E+003	4.829E+003
117	3.620E+003	4.135E+003	4.713E+003
118	3.528E+003	4.033E+003	4.599E+003
119	3.439E+003	3.934E+003	4.489E+003
120	3.352E+003	3.837E+003	4.382E+003
121	3.268E+003	3.744E+003	4.278E+003
122	3.186E+003	3.652E+003	4.176E+003
123	3.107E+003	3.563E+003	4.077E+003
124	3.029E+003	3.477E+003	3.981E+003
125	2.954E+003	3.393E+003	3.887E+003