

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TN20-3S332J [T, B]

RESISTANCE (at25°C)	3300 Ω	R-TOLERANCE (±)	5 %
B-VALUE (25/50°C)	3750 K	B-TOLERANCE (±)	3 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	9.275E+004	1.085E+005	1.265E+005
-39	8.690E+004	1.014E+005	1.180E+005
-38	8.146E+004	9.486E+004	1.102E+005
-37	7.639E+004	8.879E+004	1.029E+005
-36	7.168E+004	8.314E+004	9.620E+004
-35	6.729E+004	7.789E+004	8.995E+004
-34	6.320E+004	7.301E+004	8.414E+004
-33	5.938E+004	6.847E+004	7.876E+004
-32	5.582E+004	6.424E+004	7.375E+004
-31	5.250E+004	6.031E+004	6.910E+004
-30	4.940E+004	5.664E+004	6.477E+004
-29	4.651E+004	5.322E+004	6.075E+004
-28	4.381E+004	5.004E+004	5.700E+004
-27	4.128E+004	4.706E+004	5.351E+004
-26	3.891E+004	4.428E+004	5.026E+004
-25	3.670E+004	4.168E+004	4.722E+004
-24	3.462E+004	3.925E+004	4.439E+004
-23	3.268E+004	3.698E+004	4.174E+004
-22	3.085E+004	3.485E+004	3.927E+004
-21	2.914E+004	3.286E+004	3.696E+004
-20	2.754E+004	3.100E+004	3.480E+004
-19	2.603E+004	2.925E+004	3.278E+004
-18	2.461E+004	2.761E+004	3.089E+004
-17	2.328E+004	2.607E+004	2.912E+004
-16	2.203E+004	2.463E+004	2.747E+004
-15	2.086E+004	2.328E+004	2.592E+004
-14	1.976E+004	2.201E+004	2.447E+004
-13	1.872E+004	2.082E+004	2.310E+004
-12	1.775E+004	1.971E+004	2.183E+004
-11	1.683E+004	1.865E+004	2.063E+004
-10	1.596E+004	1.767E+004	1.951E+004
-9	1.515E+004	1.674E+004	1.845E+004
-8	1.438E+004	1.586E+004	1.746E+004
-7	1.365E+004	1.504E+004	1.652E+004
-6	1.297E+004	1.427E+004	1.565E+004
-5	1.233E+004	1.354E+004	1.483E+004
-4	1.172E+004	1.285E+004	1.405E+004
-3	1.115E+004	1.220E+004	1.332E+004
-2	1.061E+004	1.159E+004	1.264E+004
-1	1.009E+004	1.102E+004	1.199E+004
0	9.611E+003	1.047E+004	1.138E+004

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	9.611E+003	1.047E+004	1.138E+004
1	9.154E+003	9.960E+003	1.081E+004
2	8.722E+003	9.476E+003	1.027E+004
3	8.314E+003	9.018E+003	9.758E+003
4	7.927E+003	8.586E+003	9.277E+003
5	7.560E+003	8.177E+003	8.822E+003
6	7.213E+003	7.790E+003	8.393E+003
7	6.884E+003	7.425E+003	7.987E+003
8	6.573E+003	7.078E+003	7.604E+003
9	6.277E+003	6.751E+003	7.241E+003
10	5.997E+003	6.440E+003	6.899E+003
11	5.731E+003	6.146E+003	6.574E+003
12	5.479E+003	5.867E+003	6.267E+003
13	5.239E+003	5.603E+003	5.977E+003
14	5.011E+003	5.352E+003	5.701E+003
15	4.795E+003	5.114E+003	5.440E+003
16	4.589E+003	4.888E+003	5.193E+003
17	4.394E+003	4.674E+003	4.959E+003
18	4.208E+003	4.470E+003	4.736E+003
19	4.031E+003	4.276E+003	4.525E+003
20	3.863E+003	4.093E+003	4.325E+003
21	3.703E+003	3.918E+003	4.135E+003
22	3.550E+003	3.752E+003	3.954E+003
23	3.405E+003	3.594E+003	3.783E+003
24	3.267E+003	3.443E+003	3.620E+003
25	3.135E+003	3.300E+003	3.465E+003
26	3.002E+003	3.164E+003	3.326E+003
27	2.875E+003	3.034E+003	3.194E+003
28	2.754E+003	2.910E+003	3.067E+003
29	2.640E+003	2.792E+003	2.947E+003
30	2.530E+003	2.680E+003	2.832E+003
31	2.426E+003	2.573E+003	2.722E+003
32	2.327E+003	2.471E+003	2.617E+003
33	2.233E+003	2.374E+003	2.517E+003
34	2.143E+003	2.281E+003	2.421E+003
35	2.057E+003	2.192E+003	2.330E+003
36	1.975E+003	2.107E+003	2.243E+003
37	1.897E+003	2.026E+003	2.159E+003
38	1.823E+003	1.949E+003	2.079E+003
39	1.752E+003	1.875E+003	2.003E+003
40	1.684E+003	1.805E+003	1.930E+003

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RESISTANCE (at 25°C)	3300 Ω	R-TOLERANCE (±)	5 %
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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	1.684E+003	1.805E+003	1.930E+003
41	1.619E+003	1.737E+003	1.860E+003
42	1.557E+003	1.673E+003	1.793E+003
43	1.498E+003	1.611E+003	1.729E+003
44	1.442E+003	1.552E+003	1.667E+003
45	1.388E+003	1.496E+003	1.608E+003
46	1.336E+003	1.442E+003	1.552E+003
47	1.287E+003	1.390E+003	1.498E+003
48	1.239E+003	1.340E+003	1.446E+003
49	1.194E+003	1.293E+003	1.396E+003
50	1.151E+003	1.247E+003	1.348E+003
51	1.109E+003	1.204E+003	1.303E+003
52	1.070E+003	1.162E+003	1.259E+003
53	1.031E+003	1.122E+003	1.216E+003
54	9.950E+002	1.083E+003	1.176E+003
55	9.601E+002	1.046E+003	1.137E+003
56	9.265E+002	1.011E+003	1.099E+003
57	8.944E+002	9.765E+002	1.064E+003
58	8.635E+002	9.438E+002	1.029E+003
59	8.339E+002	9.124E+002	9.957E+002
60	8.055E+002	8.822E+002	9.638E+002
61	7.782E+002	8.532E+002	9.330E+002
62	7.520E+002	8.253E+002	9.034E+002
63	7.269E+002	7.985E+002	8.749E+002
64	7.027E+002	7.727E+002	8.475E+002
65	6.795E+002	7.479E+002	8.211E+002
66	6.571E+002	7.240E+002	7.957E+002
67	6.357E+002	7.011E+002	7.712E+002
68	6.151E+002	6.790E+002	7.476E+002
69	5.952E+002	6.577E+002	7.249E+002
70	5.761E+002	6.372E+002	7.030E+002
71	5.578E+002	6.175E+002	6.819E+002
72	5.401E+002	5.985E+002	6.616E+002
73	5.231E+002	5.802E+002	6.419E+002
74	5.067E+002	5.626E+002	6.230E+002
75	4.910E+002	5.456E+002	6.048E+002
76	4.758E+002	5.292E+002	5.871E+002
77	4.611E+002	5.134E+002	5.701E+002
78	4.470E+002	4.982E+002	5.537E+002
79	4.335E+002	4.835E+002	5.379E+002
80	4.204E+002	4.693E+002	5.226E+002

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	4.204E+002	4.693E+002	5.226E+002
81	4.078E+002	4.556E+002	5.078E+002
82	3.956E+002	4.424E+002	4.935E+002
83	3.839E+002	4.297E+002	4.797E+002
84	3.725E+002	4.174E+002	4.664E+002
85	3.616E+002	4.055E+002	4.535E+002
86	3.511E+002	3.940E+002	4.411E+002
87	3.409E+002	3.829E+002	4.290E+002
88	3.310E+002	3.722E+002	4.174E+002
89	3.215E+002	3.618E+002	4.061E+002
90	3.124E+002	3.518E+002	3.952E+002
91	3.035E+002	3.421E+002	3.846E+002
92	2.949E+002	3.327E+002	3.744E+002
93	2.867E+002	3.236E+002	3.645E+002
94	2.787E+002	3.149E+002	3.549E+002
95	2.709E+002	3.064E+002	3.456E+002
96	2.634E+002	2.982E+002	3.367E+002
97	2.562E+002	2.902E+002	3.279E+002
98	2.492E+002	2.825E+002	3.195E+002
99	2.424E+002	2.751E+002	3.114E+002
100	2.359E+002	2.679E+002	3.034E+002
101	2.296E+002	2.609E+002	2.958E+002
102	2.235E+002	2.542E+002	2.883E+002
103	2.175E+002	2.476E+002	2.811E+002
104	2.118E+002	2.413E+002	2.742E+002
105	2.062E+002	2.351E+002	2.674E+002
106	2.008E+002	2.292E+002	2.608E+002
107	1.956E+002	2.234E+002	2.544E+002
108	1.906E+002	2.178E+002	2.482E+002
109	1.857E+002	2.123E+002	2.422E+002
110	1.809E+002	2.071E+002	2.364E+002
111	1.763E+002	2.019E+002	2.307E+002
112	1.718E+002	1.970E+002	2.252E+002
113	1.675E+002	1.921E+002	2.199E+002
114	1.633E+002	1.875E+002	2.147E+002
115	1.592E+002	1.829E+002	2.096E+002
116	1.553E+002	1.785E+002	2.047E+002
117	1.514E+002	1.742E+002	2.000E+002
118	1.477E+002	1.701E+002	1.953E+002
119	1.441E+002	1.660E+002	1.909E+002
120	1.406E+002	1.621E+002	1.865E+002
121	1.372E+002	1.583E+002	1.822E+002
122	1.339E+002	1.546E+002	1.781E+002
123	1.307E+002	1.510E+002	1.741E+002
124	1.276E+002	1.475E+002	1.702E+002
125	1.246E+002	1.442E+002	1.664E+002