

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TN05-3N333J [R, B]

RESISTANCE (at25°C)	33000 Ω	R-TOLERANCE (±)	5 %
B-VALUE (25/50°C)	3650 K	B-TOLERANCE (±)	3 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	6.038E+005	7.041E+005	8.191E+005
-39	5.705E+005	6.640E+005	7.708E+005
-38	5.393E+005	6.264E+005	7.257E+005
-37	5.100E+005	5.912E+005	6.835E+005
-36	4.825E+005	5.582E+005	6.442E+005
-35	4.567E+005	5.273E+005	6.073E+005
-34	4.324E+005	4.983E+005	5.729E+005
-33	4.096E+005	4.711E+005	5.406E+005
-32	3.882E+005	4.456E+005	5.104E+005
-31	3.680E+005	4.217E+005	4.820E+005
-30	3.490E+005	3.992E+005	4.555E+005
-29	3.311E+005	3.780E+005	4.305E+005
-28	3.142E+005	3.581E+005	4.070E+005
-27	2.983E+005	3.394E+005	3.851E+005
-26	2.834E+005	3.218E+005	3.644E+005
-25	2.693E+005	3.052E+005	3.451E+005
-24	2.560E+005	2.896E+005	3.269E+005
-23	2.435E+005	2.750E+005	3.098E+005
-22	2.316E+005	2.612E+005	2.937E+005
-21	2.205E+005	2.482E+005	2.786E+005
-20	2.099E+005	2.359E+005	2.644E+005
-19	2.000E+005	2.243E+005	2.510E+005
-18	1.906E+005	2.134E+005	2.384E+005
-17	1.817E+005	2.031E+005	2.265E+005
-16	1.733E+005	1.934E+005	2.153E+005
-15	1.653E+005	1.842E+005	2.047E+005
-14	1.577E+005	1.755E+005	1.947E+005
-13	1.506E+005	1.672E+005	1.853E+005
-12	1.438E+005	1.594E+005	1.763E+005
-11	1.373E+005	1.520E+005	1.679E+005
-10	1.312E+005	1.451E+005	1.599E+005
-9	1.254E+005	1.384E+005	1.523E+005
-8	1.198E+005	1.320E+005	1.451E+005
-7	1.146E+005	1.260E+005	1.383E+005
-6	1.096E+005	1.204E+005	1.319E+005
-5	1.049E+005	1.150E+005	1.258E+005
-4	1.004E+005	1.099E+005	1.201E+005
-3	9.615E+004	1.051E+005	1.147E+005
-2	9.211E+004	1.006E+005	1.095E+005
-1	8.827E+004	9.623E+004	1.047E+005
0	8.462E+004	9.211E+004	1.000E+005

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	8.462E+004	9.211E+004	1.000E+005
1	8.111E+004	8.817E+004	9.561E+004
2	7.779E+004	8.443E+004	9.142E+004
3	7.462E+004	8.088E+004	8.745E+004
4	7.161E+004	7.751E+004	8.368E+004
5	6.874E+004	7.430E+004	8.010E+004
6	6.601E+004	7.124E+004	7.670E+004
7	6.340E+004	6.833E+004	7.346E+004
8	6.091E+004	6.556E+004	7.038E+004
9	5.853E+004	6.291E+004	6.744E+004
10	5.625E+004	6.038E+004	6.464E+004
11	5.411E+004	5.800E+004	6.201E+004
12	5.205E+004	5.571E+004	5.948E+004
13	5.006E+004	5.351E+004	5.706E+004
14	4.814E+004	5.139E+004	5.473E+004
15	4.630E+004	4.936E+004	5.249E+004
16	4.452E+004	4.741E+004	5.035E+004
17	4.282E+004	4.553E+004	4.829E+004
18	4.118E+004	4.373E+004	4.632E+004
19	3.960E+004	4.200E+004	4.443E+004
20	3.808E+004	4.034E+004	4.262E+004
21	3.663E+004	3.875E+004	4.089E+004
22	3.523E+004	3.722E+004	3.923E+004
23	3.388E+004	3.575E+004	3.763E+004
24	3.259E+004	3.435E+004	3.611E+004
25	3.135E+004	3.300E+004	3.465E+004
26	3.009E+004	3.171E+004	3.333E+004
27	2.888E+004	3.047E+004	3.207E+004
28	2.772E+004	2.929E+004	3.086E+004
29	2.661E+004	2.815E+004	2.970E+004
30	2.555E+004	2.706E+004	2.859E+004
31	2.454E+004	2.602E+004	2.752E+004
32	2.358E+004	2.503E+004	2.650E+004
33	2.265E+004	2.408E+004	2.552E+004
34	2.177E+004	2.316E+004	2.458E+004
35	2.092E+004	2.229E+004	2.368E+004
36	2.012E+004	2.145E+004	2.282E+004
37	1.934E+004	2.065E+004	2.199E+004
38	1.860E+004	1.988E+004	2.120E+004
39	1.789E+004	1.915E+004	2.044E+004
40	1.721E+004	1.844E+004	1.971E+004

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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	1.721E+004	1.844E+004	1.971E+004
41	1.657E+004	1.777E+004	1.901E+004
42	1.594E+004	1.712E+004	1.833E+004
43	1.535E+004	1.650E+004	1.769E+004
44	1.478E+004	1.590E+004	1.707E+004
45	1.423E+004	1.533E+004	1.647E+004
46	1.371E+004	1.478E+004	1.590E+004
47	1.321E+004	1.426E+004	1.535E+004
48	1.272E+004	1.375E+004	1.482E+004
49	1.226E+004	1.327E+004	1.432E+004
50	1.182E+004	1.280E+004	1.383E+004
51	1.139E+004	1.235E+004	1.336E+004
52	1.098E+004	1.192E+004	1.290E+004
53	1.059E+004	1.150E+004	1.247E+004
54	1.021E+004	1.111E+004	1.205E+004
55	9.851E+003	1.072E+004	1.164E+004
56	9.504E+003	1.036E+004	1.126E+004
57	9.171E+003	1.000E+004	1.088E+004
58	8.852E+003	9.665E+003	1.053E+004
59	8.545E+003	9.339E+003	1.018E+004
60	8.251E+003	9.026E+003	9.851E+003
61	7.969E+003	8.727E+003	9.534E+003
62	7.699E+003	8.440E+003	9.228E+003
63	7.439E+003	8.163E+003	8.934E+003
64	7.189E+003	7.896E+003	8.651E+003
65	6.949E+003	7.640E+003	8.378E+003
66	6.718E+003	7.392E+003	8.114E+003
67	6.495E+003	7.154E+003	7.861E+003
68	6.281E+003	6.925E+003	7.616E+003
69	6.075E+003	6.704E+003	7.380E+003
70	5.877E+003	6.491E+003	7.152E+003
71	5.685E+003	6.286E+003	6.932E+003
72	5.501E+003	6.087E+003	6.720E+003
73	5.323E+003	5.896E+003	6.515E+003
74	5.153E+003	5.712E+003	6.317E+003
75	4.988E+003	5.535E+003	6.126E+003
76	4.829E+003	5.364E+003	5.942E+003
77	4.676E+003	5.198E+003	5.764E+003
78	4.529E+003	5.039E+003	5.593E+003
79	4.387E+003	4.885E+003	5.427E+003
80	4.250E+003	4.737E+003	5.267E+003

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	4.250E+003	4.737E+003	5.267E+003
81	4.118E+003	4.594E+003	5.112E+003
82	3.990E+003	4.455E+003	4.962E+003
83	3.867E+003	4.322E+003	4.818E+003
84	3.749E+003	4.193E+003	4.678E+003
85	3.634E+003	4.068E+003	4.543E+003
86	3.524E+003	3.948E+003	4.413E+003
87	3.418E+003	3.832E+003	4.286E+003
88	3.315E+003	3.720E+003	4.165E+003
89	3.216E+003	3.612E+003	4.047E+003
90	3.120E+003	3.507E+003	3.933E+003
91	3.027E+003	3.406E+003	3.823E+003
92	2.938E+003	3.308E+003	3.716E+003
93	2.852E+003	3.214E+003	3.613E+003
94	2.768E+003	3.122E+003	3.513E+003
95	2.688E+003	3.034E+003	3.416E+003
96	2.610E+003	2.949E+003	3.323E+003
97	2.536E+003	2.867E+003	3.233E+003
98	2.463E+003	2.787E+003	3.146E+003
99	2.393E+003	2.710E+003	3.061E+003
100	2.326E+003	2.636E+003	2.980E+003
101	2.261E+003	2.564E+003	2.901E+003
102	2.198E+003	2.495E+003	2.825E+003
103	2.137E+003	2.428E+003	2.751E+003
104	2.079E+003	2.363E+003	2.680E+003
105	2.022E+003	2.300E+003	2.610E+003
106	1.967E+003	2.239E+003	2.543E+003
107	1.914E+003	2.180E+003	2.478E+003
108	1.862E+003	2.123E+003	2.415E+003
109	1.812E+003	2.068E+003	2.354E+003
110	1.764E+003	2.014E+003	2.295E+003
111	1.717E+003	1.962E+003	2.237E+003
112	1.672E+003	1.912E+003	2.181E+003
113	1.628E+003	1.863E+003	2.127E+003
114	1.586E+003	1.816E+003	2.075E+003
115	1.544E+003	1.770E+003	2.024E+003
116	1.505E+003	1.726E+003	1.975E+003
117	1.466E+003	1.683E+003	1.927E+003
118	1.428E+003	1.641E+003	1.880E+003
119	1.392E+003	1.600E+003	1.835E+003
120	1.357E+003	1.561E+003	1.791E+003
121	1.323E+003	1.522E+003	1.748E+003
122	1.289E+003	1.485E+003	1.707E+003
123	1.257E+003	1.449E+003	1.666E+003
124	1.226E+003	1.414E+003	1.627E+003
125	1.196E+003	1.380E+003	1.589E+003