

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TN05-3G222J [R, B]

RESISTANCE (at25°C)	2200 Ω	R-TOLERANCE (\pm)	5 %
B-VALUE (25/50°C)	3290 K	B-TOLERANCE (\pm)	3 %

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
-40	3.571E+004	4.122E+004	4.747E+004
-39	3.394E+004	3.911E+004	4.496E+004
-38	3.227E+004	3.711E+004	4.258E+004
-37	3.068E+004	3.523E+004	4.035E+004
-36	2.918E+004	3.344E+004	3.823E+004
-35	2.775E+004	3.175E+004	3.624E+004
-34	2.640E+004	3.015E+004	3.436E+004
-33	2.512E+004	2.864E+004	3.258E+004
-32	2.391E+004	2.721E+004	3.090E+004
-31	2.275E+004	2.586E+004	2.931E+004
-30	2.166E+004	2.458E+004	2.781E+004
-29	2.063E+004	2.336E+004	2.640E+004
-28	1.965E+004	2.222E+004	2.506E+004
-27	1.872E+004	2.113E+004	2.379E+004
-26	1.783E+004	2.010E+004	2.260E+004
-25	1.700E+004	1.912E+004	2.147E+004
-24	1.620E+004	1.820E+004	2.039E+004
-23	1.544E+004	1.732E+004	1.938E+004
-22	1.473E+004	1.649E+004	1.842E+004
-21	1.405E+004	1.570E+004	1.752E+004
-20	1.340E+004	1.496E+004	1.666E+004
-19	1.278E+004	1.425E+004	1.584E+004
-18	1.219E+004	1.357E+004	1.507E+004
-17	1.164E+004	1.293E+004	1.434E+004
-16	1.111E+004	1.233E+004	1.365E+004
-15	1.061E+004	1.176E+004	1.300E+004
-14	1.014E+004	1.121E+004	1.238E+004
-13	9.685E+003	1.070E+004	1.179E+004
-12	9.257E+003	1.021E+004	1.124E+004
-11	8.850E+003	9.750E+003	1.071E+004
-10	8.464E+003	9.310E+003	1.022E+004
-9	8.097E+003	8.894E+003	9.745E+003
-8	7.747E+003	8.498E+003	9.298E+003
-7	7.415E+003	8.122E+003	8.875E+003
-6	7.099E+003	7.765E+003	8.473E+003
-5	6.798E+003	7.426E+003	8.091E+003
-4	6.512E+003	7.104E+003	7.730E+003
-3	6.239E+003	6.797E+003	7.386E+003
-2	5.980E+003	6.506E+003	7.060E+003
-1	5.733E+003	6.228E+003	6.750E+003
0	5.497E+003	5.964E+003	6.455E+003

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
0	5.497E+003	5.964E+003	6.455E+003
1	5.272E+003	5.713E+003	6.175E+003
2	5.058E+003	5.474E+003	5.909E+003
3	4.854E+003	5.246E+003	5.656E+003
4	4.660E+003	5.029E+003	5.415E+003
5	4.474E+003	4.823E+003	5.186E+003
6	4.297E+003	4.626E+003	4.968E+003
7	4.128E+003	4.438E+003	4.761E+003
8	3.966E+003	4.260E+003	4.563E+003
9	3.812E+003	4.089E+003	4.375E+003
10	3.665E+003	3.926E+003	4.196E+003
11	3.525E+003	3.771E+003	4.025E+003
12	3.390E+003	3.623E+003	3.862E+003
13	3.262E+003	3.481E+003	3.707E+003
14	3.139E+003	3.346E+003	3.558E+003
15	3.021E+003	3.217E+003	3.417E+003
16	2.909E+003	3.094E+003	3.282E+003
17	2.802E+003	2.976E+003	3.154E+003
18	2.699E+003	2.863E+003	3.031E+003
19	2.600E+003	2.756E+003	2.913E+003
20	2.506E+003	2.653E+003	2.801E+003
21	2.415E+003	2.554E+003	2.694E+003
22	2.329E+003	2.460E+003	2.591E+003
23	2.246E+003	2.369E+003	2.493E+003
24	2.166E+003	2.283E+003	2.400E+003
25	2.090E+003	2.200E+003	2.310E+003
26	2.012E+003	2.121E+003	2.229E+003
27	1.938E+003	2.045E+003	2.152E+003
28	1.867E+003	1.972E+003	2.077E+003
29	1.799E+003	1.902E+003	2.006E+003
30	1.734E+003	1.835E+003	1.937E+003
31	1.671E+003	1.771E+003	1.872E+003
32	1.612E+003	1.709E+003	1.809E+003
33	1.554E+003	1.650E+003	1.748E+003
34	1.499E+003	1.594E+003	1.690E+003
35	1.447E+003	1.539E+003	1.634E+003
36	1.396E+003	1.487E+003	1.580E+003
37	1.348E+003	1.437E+003	1.528E+003
38	1.301E+003	1.389E+003	1.478E+003
39	1.256E+003	1.342E+003	1.431E+003
40	1.214E+003	1.298E+003	1.385E+003

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T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
40	1.214E+003	1.298E+003	1.385E+003
41	1.172E+003	1.255E+003	1.340E+003
42	1.133E+003	1.214E+003	1.298E+003
43	1.095E+003	1.174E+003	1.257E+003
44	1.058E+003	1.136E+003	1.217E+003
45	1.023E+003	1.100E+003	1.179E+003
46	9.897E+002	1.065E+003	1.143E+003
47	9.574E+002	1.031E+003	1.107E+003
48	9.262E+002	9.984E+002	1.073E+003
49	8.963E+002	9.670E+002	1.041E+003
50	8.675E+002	9.369E+002	1.009E+003
51	8.398E+002	9.078E+002	9.788E+002
52	8.131E+002	8.798E+002	9.495E+002
53	7.875E+002	8.528E+002	9.213E+002
54	7.628E+002	8.268E+002	8.940E+002
55	7.390E+002	8.018E+002	8.678E+002
56	7.161E+002	7.777E+002	8.424E+002
57	6.940E+002	7.544E+002	8.179E+002
58	6.728E+002	7.320E+002	7.943E+002
59	6.523E+002	7.103E+002	7.715E+002
60	6.326E+002	6.894E+002	7.495E+002
61	6.136E+002	6.693E+002	7.283E+002
62	5.953E+002	6.500E+002	7.079E+002
63	5.776E+002	6.312E+002	6.881E+002
64	5.606E+002	6.131E+002	6.689E+002
65	5.441E+002	5.957E+002	6.504E+002
66	5.283E+002	5.788E+002	6.325E+002
67	5.129E+002	5.624E+002	6.152E+002
68	4.981E+002	5.467E+002	5.985E+002
69	4.838E+002	5.314E+002	5.823E+002
70	4.700E+002	5.167E+002	5.666E+002
71	4.565E+002	5.023E+002	5.513E+002
72	4.436E+002	4.885E+002	5.365E+002
73	4.311E+002	4.751E+002	5.222E+002
74	4.190E+002	4.621E+002	5.084E+002
75	4.073E+002	4.496E+002	4.950E+002
76	3.960E+002	4.375E+002	4.821E+002
77	3.851E+002	4.258E+002	4.696E+002
78	3.745E+002	4.144E+002	4.574E+002
79	3.643E+002	4.035E+002	4.457E+002
80	3.545E+002	3.929E+002	4.343E+002

T (°C)	Rmin (Ω)	Rnom (Ω)	Rmax (Ω)
80	3.545E+002	3.929E+002	4.343E+002
81	3.450E+002	3.827E+002	4.234E+002
82	3.358E+002	3.728E+002	4.128E+002
83	3.269E+002	3.632E+002	4.024E+002
84	3.183E+002	3.539E+002	3.925E+002
85	3.100E+002	3.449E+002	3.828E+002
86	3.019E+002	3.361E+002	3.734E+002
87	2.940E+002	3.277E+002	3.642E+002
88	2.865E+002	3.195E+002	3.554E+002
89	2.791E+002	3.115E+002	3.468E+002
90	2.720E+002	3.038E+002	3.384E+002
91	2.651E+002	2.963E+002	3.303E+002
92	2.584E+002	2.890E+002	3.224E+002
93	2.519E+002	2.819E+002	3.148E+002
94	2.456E+002	2.751E+002	3.074E+002
95	2.394E+002	2.684E+002	3.002E+002
96	2.335E+002	2.620E+002	2.932E+002
97	2.278E+002	2.557E+002	2.864E+002
98	2.222E+002	2.496E+002	2.797E+002
99	2.168E+002	2.437E+002	2.733E+002
100	2.115E+002	2.380E+002	2.671E+002
101	2.065E+002	2.324E+002	2.610E+002
102	2.015E+002	2.270E+002	2.551E+002
103	1.967E+002	2.218E+002	2.494E+002
104	1.921E+002	2.167E+002	2.438E+002
105	1.875E+002	2.117E+002	2.384E+002
106	1.831E+002	2.069E+002	2.332E+002
107	1.789E+002	2.022E+002	2.281E+002
108	1.747E+002	1.977E+002	2.231E+002
109	1.707E+002	1.933E+002	2.182E+002
110	1.668E+002	1.890E+002	2.135E+002
111	1.630E+002	1.848E+002	2.089E+002
112	1.593E+002	1.807E+002	2.045E+002
113	1.557E+002	1.768E+002	2.002E+002
114	1.522E+002	1.729E+002	1.959E+002
115	1.489E+002	1.692E+002	1.918E+002
116	1.456E+002	1.655E+002	1.878E+002
117	1.423E+002	1.620E+002	1.839E+002
118	1.392E+002	1.585E+002	1.801E+002
119	1.362E+002	1.552E+002	1.764E+002
120	1.332E+002	1.519E+002	1.728E+002
121	1.303E+002	1.487E+002	1.693E+002
122	1.275E+002	1.456E+002	1.658E+002
123	1.248E+002	1.426E+002	1.625E+002
124	1.222E+002	1.397E+002	1.593E+002
125	1.196E+002	1.368E+002	1.561E+002