



## NTC THERMISTOR R-T CHARACTERISTICS

TYPE TN05-3C102J [R, B]

RESISTANCE (at25°C)	1000 $\Omega$	R-TOLERANCE ( $\pm$ )	5 %
B-VALUE (25/50°C)	3110 K	B-TOLERANCE ( $\pm$ )	3 %

T (°C)	Rmin ( $\Omega$ )	Rnom ( $\Omega$ )	Rmax ( $\Omega$ )
40	5.685E+002	6.074E+002	6.474E+002
41	5.502E+002	5.885E+002	6.278E+002
42	5.327E+002	5.703E+002	6.090E+002
43	5.158E+002	5.527E+002	5.908E+002
44	4.995E+002	5.358E+002	5.732E+002
45	4.839E+002	5.194E+002	5.563E+002
46	4.688E+002	5.037E+002	5.399E+002
47	4.542E+002	4.886E+002	5.241E+002
48	4.403E+002	4.739E+002	5.089E+002
49	4.268E+002	4.598E+002	4.942E+002
50	4.138E+002	4.462E+002	4.800E+002
51	4.012E+002	4.330E+002	4.663E+002
52	3.891E+002	4.204E+002	4.530E+002
53	3.774E+002	4.081E+002	4.402E+002
54	3.662E+002	3.963E+002	4.278E+002
55	3.553E+002	3.849E+002	4.158E+002
56	3.448E+002	3.739E+002	4.043E+002
57	3.347E+002	3.632E+002	3.931E+002
58	3.250E+002	3.529E+002	3.823E+002
59	3.156E+002	3.430E+002	3.719E+002
60	3.065E+002	3.334E+002	3.618E+002
61	2.978E+002	3.242E+002	3.521E+002
62	2.893E+002	3.152E+002	3.426E+002
63	2.811E+002	3.066E+002	3.335E+002
64	2.733E+002	2.982E+002	3.247E+002
65	2.656E+002	2.902E+002	3.162E+002
66	2.583E+002	2.823E+002	3.079E+002
67	2.511E+002	2.748E+002	2.999E+002
68	2.443E+002	2.675E+002	2.921E+002
69	2.376E+002	2.604E+002	2.846E+002
70	2.312E+002	2.535E+002	2.774E+002
71	2.249E+002	2.469E+002	2.703E+002
72	2.189E+002	2.405E+002	2.635E+002
73	2.131E+002	2.343E+002	2.569E+002
74	2.075E+002	2.282E+002	2.505E+002
75	2.020E+002	2.224E+002	2.442E+002
76	1.967E+002	2.167E+002	2.382E+002
77	1.916E+002	2.113E+002	2.324E+002
78	1.866E+002	2.059E+002	2.267E+002
79	1.818E+002	2.008E+002	2.212E+002
80	1.771E+002	1.958E+002	2.158E+002

T (°C)	Rmin ( $\Omega$ )	Rnom ( $\Omega$ )	Rmax ( $\Omega$ )
80	1.771E+002	1.958E+002	2.158E+002
81	1.726E+002	1.909E+002	2.106E+002
82	1.682E+002	1.862E+002	2.056E+002
83	1.640E+002	1.816E+002	2.007E+002
84	1.598E+002	1.772E+002	1.959E+002
85	1.559E+002	1.729E+002	1.913E+002
86	1.520E+002	1.687E+002	1.868E+002
87	1.482E+002	1.647E+002	1.825E+002
88	1.446E+002	1.607E+002	1.782E+002
89	1.410E+002	1.569E+002	1.741E+002
90	1.376E+002	1.532E+002	1.701E+002
91	1.343E+002	1.496E+002	1.662E+002
92	1.311E+002	1.461E+002	1.625E+002
93	1.279E+002	1.427E+002	1.588E+002
94	1.249E+002	1.394E+002	1.553E+002
95	1.219E+002	1.362E+002	1.518E+002
96	1.191E+002	1.331E+002	1.484E+002
97	1.163E+002	1.301E+002	1.451E+002
98	1.136E+002	1.271E+002	1.420E+002
99	1.109E+002	1.243E+002	1.389E+002
100	1.084E+002	1.215E+002	1.358E+002
101	1.059E+002	1.188E+002	1.329E+002
102	1.035E+002	1.161E+002	1.300E+002
103	1.011E+002	1.136E+002	1.273E+002
104	9.884E+001	1.111E+002	1.245E+002
105	9.662E+001	1.087E+002	1.219E+002
106	9.446E+001	1.063E+002	1.193E+002
107	9.235E+001	1.040E+002	1.168E+002
108	9.031E+001	1.018E+002	1.144E+002
109	8.832E+001	9.959E+001	1.120E+002
110	8.639E+001	9.747E+001	1.097E+002
111	8.450E+001	9.541E+001	1.074E+002
112	8.267E+001	9.340E+001	1.052E+002
113	8.089E+001	9.144E+001	1.031E+002
114	7.915E+001	8.953E+001	1.010E+002
115	7.746E+001	8.767E+001	9.898E+001
116	7.581E+001	8.586E+001	9.700E+001
117	7.421E+001	8.409E+001	9.506E+001
118	7.264E+001	8.237E+001	9.317E+001
119	7.112E+001	8.070E+001	9.133E+001
120	6.964E+001	7.906E+001	8.953E+001
121	6.819E+001	7.747E+001	8.778E+001
122	6.678E+001	7.591E+001	8.607E+001
123	6.541E+001	7.440E+001	8.440E+001
124	6.407E+001	7.292E+001	8.278E+001
125	6.277E+001	7.148E+001	8.119E+001