

Specification of DO-35 NTC Thermistor

PART NUMBER: **TT-DO-10KC8-3-1%**

No. of pages: 8

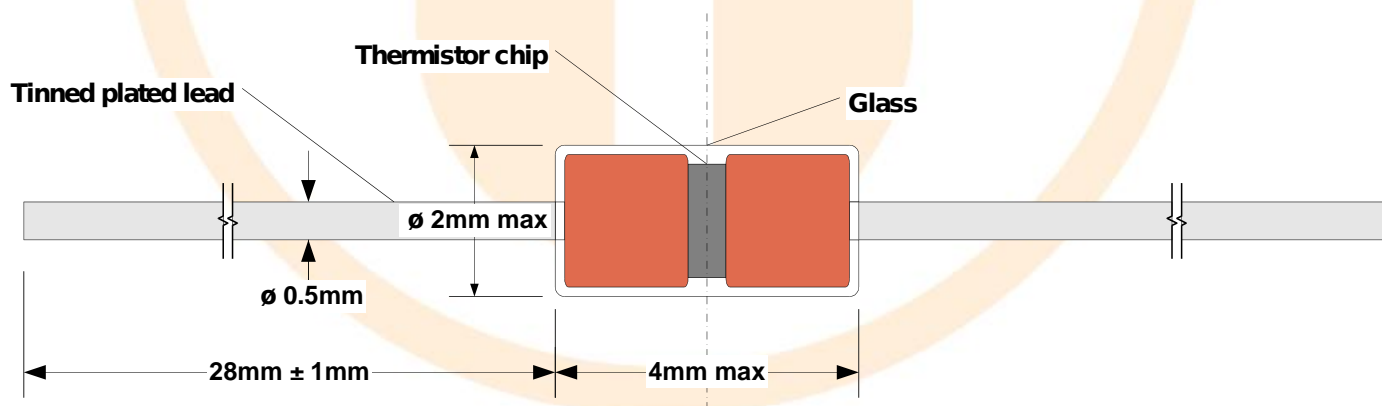
Date: **20.02.2019**

Revision: **00**

FEATURES:

Element	DO-35 NTC Thermistor
No-load resistance at 25°C	10 000 Ω
Tolerance at 25°C	± 1%
Beta (25/85) Constant	3 435K ±1%
Operating temperature range	-40°C ÷ 250°C

DRAWING:



UNITS: [mm]

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T(°C)	Rmin(KΩ)	Rnom(KΩ)	Rmax(KΩ)
-40	163.401	169.793	176.417
-39	154.763	160.729	166.907
-38	146.647	152.217	157.982
-37	139.017	144.219	149.601
-36	131.843	136.703	141.729
-35	125.093	129.636	134.330
-34	118.740	122.987	127.374
-33	112.758	116.731	120.831
-32	107.124	110.840	114.674
-31	101.814	105.292	108.878
-30	96.808	100.064	103.419
-29	92.086	95.135	98.276
-28	87.631	90.487	93.427
-27	83.425	86.101	88.855
-26	79.452	81.961	84.540
-25	75.699	78.051	80.468
-24	72.152	74.358	76.623
-23	68.797	70.867	72.991
-22	65.624	67.565	69.557
-21	62.620	64.442	66.311
-20	59.777	61.487	63.240
-19	57.083	58.689	60.334
-18	54.530	56.038	57.583
-17	52.110	53.527	54.977
-16	49.815	51.146	52.507
-15	47.637	48.888	50.167
-14	45.570	46.746	47.947
-13	43.607	44.712	45.841
-12	41.743	42.782	43.842
-11	39.970	40.947	41.944
-10	38.286	39.204	40.141
-9	36.683	37.547	38.428
-8	35.159	35.971	36.799
-7	33.707	34.472	35.250
-6	32.325	33.045	33.776
-5	31.009	31.686	32.374
-4	29.755	30.391	31.038
-3	28.559	29.158	29.766
-2	27.418	27.982	28.554
-1	26.331	26.861	27.399
0	25.292	25.791	26.297
1	24.301	24.770	25.246
2	23.355	23.796	24.243

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3	22.450	22.865	23.286
4	21.586	21.976	22.372
5	20.760	21.127	21.498
6	19.970	20.315	20.664
7	19.214	19.538	19.866
8	18.491	18.796	19.104
9	17.798	18.085	18.374
10	17.135	17.405	17.676
11	16.500	16.753	17.008
12	15.892	16.129	16.369
13	15.309	15.532	15.756
14	14.749	14.959	15.169
15	14.213	14.410	14.607
16	13.699	13.883	14.068
17	13.206	13.378	13.551
18	12.732	12.893	13.055
19	12.277	12.428	12.580
20	11.840	11.982	12.123
21	11.421	11.553	11.685
22	11.018	11.141	11.265
23	10.630	10.746	10.861
24	10.258	10.365	10.473
25	9.900	10.000	10.100
26	9.549	9.649	9.749
27	9.211	9.311	9.411
28	8.887	8.986	9.085
29	8.574	8.673	8.773
30	8.274	8.373	8.471
31	7.985	8.083	8.181
32	7.707	7.804	7.902
33	7.439	7.536	7.633
34	7.182	7.277	7.373
35	6.933	7.028	7.124
36	6.694	6.788	6.883
37	6.464	6.557	6.651
38	6.242	6.334	6.427
39	6.029	6.120	6.211
40	5.823	5.912	6.003
41	5.624	5.713	5.802
42	5.433	5.520	5.609
43	5.248	5.334	5.422
44	5.070	5.155	5.241
45	4.898	4.982	5.067
46	4.732	4.815	4.899

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47	4.573	4.654	4.737
48	4.418	4.499	4.580
49	4.269	4.349	4.429
50	4.126	4.204	4.283
51	3.989	4.066	4.143
52	3.857	3.933	4.009
53	3.730	3.805	3.880
54	3.608	3.681	3.756
55	3.491	3.563	3.636
56	3.378	3.449	3.520
57	3.269	3.339	3.409
58	3.165	3.233	3.302
59	3.064	3.131	3.199
60	2.967	3.033	3.100
61	2.874	2.938	3.004
62	2.784	2.847	2.912
63	2.697	2.760	2.823
64	2.614	2.675	2.738
65	2.533	2.594	2.655
66	2.456	2.515	2.576
67	2.381	2.440	2.499
68	2.309	2.367	2.425
69	2.240	2.296	2.354
70	2.173	2.228	2.285
71	2.109	2.163	2.218
72	2.047	2.100	2.154
73	1.987	2.039	2.092
74	1.929	1.980	2.033
75	1.873	1.923	1.975
76	1.819	1.869	1.919
77	1.767	1.816	1.865
78	1.717	1.764	1.813
79	1.668	1.715	1.763
80	1.621	1.667	1.714
81	1.576	1.621	1.667
82	1.532	1.577	1.622
83	1.490	1.533	1.578
84	1.449	1.492	1.536
85	1.409	1.451	1.494
86	1.371	1.412	1.455
87	1.334	1.374	1.416
88	1.298	1.338	1.379
89	1.263	1.302	1.343
90	1.230	1.268	1.308

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91	1.197	1.235	1.274
92	1.166	1.203	1.241
93	1.135	1.172	1.209
94	1.106	1.141	1.178
95	1.077	1.112	1.148
96	1.049	1.084	1.119
97	1.022	1.056	1.091
98	0.996	1.029	1.063
99	0.971	1.003	1.037
100	0.946	0.978	1.011
101	0.922	0.954	0.986
102	0.899	0.930	0.962
103	0.876	0.907	0.938
104	0.855	0.884	0.915
105	0.833	0.863	0.893
106	0.813	0.842	0.871
107	0.793	0.821	0.850
108	0.773	0.801	0.830
109	0.754	0.782	0.810
110	0.736	0.763	0.790
111	0.718	0.744	0.772
112	0.701	0.727	0.753
113	0.684	0.709	0.735
114	0.667	0.692	0.718
115	0.651	0.676	0.701
116	0.636	0.660	0.685
117	0.620	0.644	0.669
118	0.606	0.629	0.653
119	0.591	0.614	0.638
120	0.577	0.600	0.623
121	0.564	0.586	0.608
122	0.550	0.572	0.594
123	0.537	0.559	0.581
124	0.525	0.546	0.567
125	0.512	0.533	0.554
126	0.500	0.521	0.541
127	0.489	0.509	0.529
128	0.477	0.497	0.517
129	0.466	0.485	0.505
130	0.455	0.474	0.494
131	0.445	0.463	0.482
132	0.434	0.453	0.471
133	0.424	0.442	0.461
134	0.414	0.432	0.450

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135	0.405	0.422	0.440
136	0.395	0.412	0.430
137	0.386	0.403	0.420
138	0.377	0.394	0.411
139	0.369	0.385	0.401
140	0.360	0.376	0.392
141	0.352	0.367	0.383
142	0.344	0.359	0.375
143	0.336	0.351	0.366
144	0.328	0.343	0.358
145	0.320	0.335	0.350
146	0.313	0.327	0.342
147	0.306	0.320	0.334
148	0.299	0.312	0.327
149	0.292	0.305	0.319
150	0.285	0.298	0.312
151	0.279	0.292	0.306
152	0.274	0.287	0.300
153	0.268	0.281	0.294
154	0.263	0.275	0.288
155	0.258	0.270	0.283
156	0.253	0.265	0.277
157	0.248	0.260	0.272
158	0.243	0.255	0.267
159	0.238	0.250	0.262
160	0.234	0.245	0.257
161	0.229	0.240	0.252
162	0.225	0.236	0.247
163	0.220	0.231	0.242
164	0.216	0.227	0.238
165	0.212	0.222	0.233
166	0.208	0.218	0.229
167	0.204	0.214	0.225
168	0.200	0.210	0.221
169	0.196	0.206	0.216
170	0.193	0.202	0.212
171	0.189	0.199	0.208
172	0.186	0.195	0.205
173	0.182	0.191	0.201
174	0.179	0.188	0.197
175	0.175	0.184	0.194
176	0.172	0.181	0.190
177	0.169	0.178	0.187
178	0.166	0.174	0.183

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179	0.163	0.171	0.180
180	0.160	0.168	0.177
181	0.157	0.165	0.174
182	0.154	0.162	0.171
183	0.151	0.159	0.168
184	0.149	0.156	0.165
185	0.146	0.154	0.162
186	0.143	0.151	0.159
187	0.141	0.148	0.156
188	0.138	0.146	0.153
189	0.136	0.143	0.151
190	0.133	0.141	0.148
191	0.131	0.138	0.146
192	0.129	0.136	0.143
193	0.126	0.133	0.141
194	0.124	0.131	0.138
195	0.122	0.129	0.136
196	0.120	0.127	0.133
197	0.118	0.124	0.131
198	0.116	0.122	0.129
199	0.114	0.120	0.127
200	0.112	0.118	0.125
201	0.110	0.116	0.123
202	0.108	0.114	0.121
203	0.106	0.112	0.119
204	0.104	0.110	0.117
205	0.103	0.108	0.115
206	0.101	0.107	0.113
207	0.099	0.105	0.111
208	0.098	0.103	0.109
209	0.096	0.101	0.107
210	0.094	0.100	0.105
211	0.093	0.098	0.104
212	0.091	0.096	0.102
213	0.090	0.095	0.100
214	0.088	0.093	0.099
215	0.087	0.092	0.097
216	0.085	0.090	0.096
217	0.084	0.089	0.094
218	0.082	0.087	0.092
219	0.081	0.086	0.091
220	0.080	0.085	0.090
221	0.079	0.083	0.088
222	0.077	0.082	0.087

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223	0.076	0.081	0.085
224	0.075	0.079	0.084
225	0.074	0.078	0.083
226	0.072	0.077	0.081
227	0.071	0.076	0.080
228	0.070	0.074	0.079
229	0.069	0.073	0.078
230	0.068	0.072	0.076
231	0.067	0.071	0.075
232	0.066	0.070	0.074
233	0.065	0.069	0.073
234	0.064	0.068	0.072
235	0.063	0.067	0.071
236	0.062	0.066	0.070
237	0.061	0.065	0.069
238	0.060	0.064	0.067
239	0.059	0.063	0.066
240	0.058	0.062	0.065
241	0.057	0.061	0.064
242	0.056	0.060	0.063
243	0.055	0.059	0.062
244	0.054	0.058	0.062
245	0.054	0.057	0.061
246	0.053	0.056	0.060
247	0.052	0.055	0.059
248	0.051	0.054	0.058
249	0.050	0.054	0.057
250	0.050	0.053	0.056

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