



## MEAS HD DO-35 SERIES THERMISTOR 10K BETA <sup>25/85</sup> 3450

- High Stability DO-35 Thermistor
- Highly Density (HD) electroceramic thermistor
- Hermetically sealed elements, glass encapsulation
- Axial Leads for PCB mounting
- High temperature devices for applications up to +300°C
- RoHS Compliant
- Copper clad steel (CCS Wire)

### Features

- Hermetically sealed glass package
- Proven Stability at elevated temperatures
- High temperature capability to +300°C
- 24 AWG Nickel Plated CCS Wire
- Cost effective for high volume applications
- Temp range (Nickel plated) -40°C to +300 °C
- Temp range (Tinned) -40 °C to +200 °C

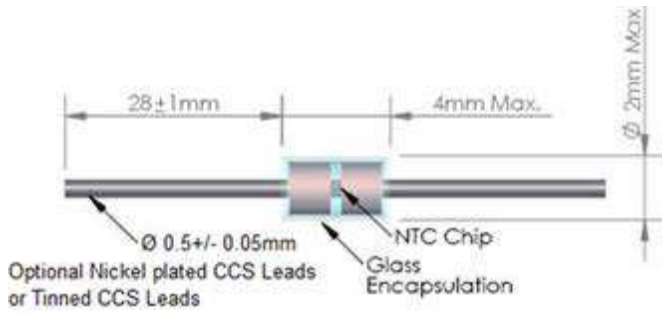
### Applications

- HVAC and refrigeration probe assemblies
- High humidity due to glass protection
- Consumer electronics
- PCB temperature sensing
- Air conditioning

TE has recently developed new advanced ceramic processing techniques and proprietary formulations for the manufacture of high-stability electroceramic thermistor materials. These materials are now used in a select range of DO-35 thermistor sensor components. The newly developed high-density thermistor chip is hermetically sealed in a glass (DO-35 diode style) package to provide protection where high humidity is present and long-term performance is required.

# MEAS NTC DO-35 THERMISTOR 10K BETA<sub>25/85</sub> 3450

## Dimensions



## Electrical Specifications

PARAMETERS	UNITS	VALUE
Resistance @ +25°C	Ohms	10,000
Resistance tolerance @ +25°C	%	± 1
Beta Value 25/85	K	3450
Tolerance on Beta Value 25/85	%	± 1
Time response in liquid	Seconds	Approx.2
Dissipation Constant in still air	mW/°C	1.9
Operating Temperature (Nickel plated CCS Leads)	°C	-40 to +300
Operating Temperature (Tinned CCS Leads)	°C	-40 to +200
Max' Permissible Current (25°C, Still Air)	A max	0.25mA
Max' Power Rating (25°C, Still Air)	P max	110 mW

## General Test

TEST ITEM	PERFORMANCE REQUIREMENTS	TEST CONDITION
A. Appearance	No Cracking	Visual examination
B. Dimension	Dimension tolerances	Caliper, Micrometer
C. Resistance (R25)	10K±1%	At zero power, 25°C
D. Beta Value	B25/85=3450K±1%	B = $\frac{\ln R25 - \ln R85}{1/298.15 - 1/358.15}$
		R25=Resistance at 25.0±0.1°C
		R85=Resistance at 85.0±0.1°C
E. Thermal time constant (τ)	Approx.2 sec	Measured in stirred water
F. Thermal Dissipation Constant (δ)	Approx.1.9m W/°C	Measured in still air, normal temp

Reliability

TEST ITEM	TEST METHODS	CRITERIA
<b>A. Low temperature storage</b>	After placing a thermistor in -40°C±3°C for 1000 hours, keep it in normal temperature and humidity for one hour.	$\Delta R/R \leq 2\%$ $\Delta B/B \leq 1\%$
<b>B. High temperature storage</b>	Tinned Version: After placing a thermistor in 200°C±3°C for 1000 hours, keep it in normal temperature and humidity for one hour.	$\Delta R/R \leq 2\%$ $\Delta B/B \leq 1\%$
	Nickel Plated Version: After placing a thermistor in 300°C±3°C for 1000 hours, keep it in normal temperature and humidity for one hour.	$\Delta R/R \leq 3\%$ $\Delta B/B \leq 2\%$
<b>C. Thermal cycle test</b>	After 100 cycles test under the conditions as shown below, keep the thermistor in normal temperature and humidity for one hour.	$\Delta R/R \leq 2\%$ $\Delta B/B \leq 1\%$
<p>The diagram illustrates the thermal cycle test waveform. It features three horizontal lines representing temperature levels: 80°C±3°C (in air) at the top, Normal temp (in air) in the middle, and -20°C±3°C (in air) at the bottom. The waveform shows a sequence of temperature steps: a 30-minute dwell at -20°C±3°C, a 15-minute dwell at Normal temp, a 30-minute dwell at 80°C±3°C, and a 15-minute dwell at Normal temp. This sequence is labeled as '1 Cycle'. A second identical sequence is shown, labeled as '2 Cycle'.</p>		
<b>D. Humidity test</b>	After placing a thermistor in 40°C±2°C, 90~95%RH, for 1000 hours, keep it in normal temperature and humidity for one hour.	$\Delta R/R \leq 2\%$ $\Delta B/B \leq 1\%$

**Resistance vs. Temperature Table**

R25=10KΩ±1% B25/85=3450K±1%

TEMP. (°C)	MINIMUM (KΩ)	NOMINAL (KΩ)	MAXIMUM (KΩ)	ALPHA(%/°C)
-40.0	194.700	204.224	214.193	-5.82
-39.0	183.872	192.727	201.988	-5.77
-38.0	173.724	181.959	190.565	-5.73
-37.0	164.208	171.869	179.870	-5.68
-36.0	155.281	162.411	169.852	-5.64
-35.0	146.902	153.540	160.461	-5.60
-34.0	139.035	145.216	151.657	-5.55
-33.0	131.645	137.402	143.397	-5.51
-32.0	124.698	130.063	135.644	-5.47
-31.0	118.167	123.167	128.365	-5.43
-30.0	112.023	116.684	121.526	-5.39
-29.0	106.242	110.587	115.100	-5.35
-28.0	100.798	104.851	109.057	-5.31
-27.0	95.671	99.452	103.373	-5.27
-26.0	90.839	94.368	98.024	-5.23
-25.0	86.285	89.578	92.988	-5.19
-24.0	81.990	85.064	88.245	-5.15
-23.0	77.937	80.808	83.776	-5.12
-22.0	74.113	76.793	79.563	-5.08
-21.0	70.501	73.005	75.590	-5.04
-20.0	67.090	69.429	71.843	-5.01
-19.0	63.866	66.052	68.305	-4.97
-18.0	60.819	62.862	64.966	-4.93
-17.0	57.937	59.846	61.812	-4.90
-16.0	55.211	56.996	58.832	-4.87
-15.0	52.631	54.299	56.014	-4.83
-14.0	50.189	51.748	53.351	-4.80
-13.0	47.875	49.334	50.831	-4.76
-12.0	45.684	47.047	48.446	-4.73
-11.0	43.607	44.882	46.189	-4.70
-10.0	41.637	42.830	44.052	-4.67
-9.0	39.770	40.885	42.027	-4.63

**Resistance vs. Temperature Table**

R25=10KΩ±1% B25/85=3450K±1%

TEMP. (°C)	MINIMUM (KΩ)	NOMINAL (KΩ)	MAXIMUM (KΩ)	ALPHA(%/°C)
-8.0	37.998	39.041	40.108	-4.60
-7.0	36.316	37.291	38.289	-4.57
-6.0	34.719	35.632	36.564	-4.54
-5.0	33.203	34.056	34.928	-4.51
-4.0	31.763	32.560	33.375	-4.48
-3.0	30.394	31.140	31.901	-4.45
-2.0	29.092	29.790	30.501	-4.42
-1.0	27.855	28.507	29.171	-4.39
0.0	26.677	27.287	27.908	-4.35
1.0	25.560	26.130	26.710	-4.32
2.0	24.496	25.029	25.571	-4.29
3.0	23.483	23.981	24.487	-4.26
4.0	22.518	22.984	23.456	-4.24
5.0	21.599	22.034	22.475	-4.21
6.0	20.723	21.129	21.541	-4.18
7.0	19.888	20.267	20.651	-4.15
8.0	19.091	19.445	19.804	-4.13
9.0	18.332	18.662	18.996	-4.10
10.0	17.607	17.915	18.226	-4.07
11.0	16.915	17.202	17.492	-4.05
12.0	16.254	16.522	16.792	-4.02
13.0	15.623	15.872	16.124	-4.00
14.0	15.021	15.253	15.487	-3.97
15.0	14.445	14.661	14.878	-3.95
16.0	13.895	14.095	14.297	-3.92
17.0	13.368	13.555	13.743	-3.90
18.0	12.865	13.038	13.213	-3.87
19.0	12.384	12.545	12.706	-3.85
20.0	11.924	12.072	12.222	-3.83
21.0	11.483	11.621	11.759	-3.80
22.0	11.061	11.189	11.316	-3.78
23.0	10.657	10.775	10.893	-3.76
24.0	10.271	10.379	10.488	-3.73
25.0	9.900	10.000	10.100	-3.71
26.0	9.536	9.637	9.738	-3.69

Resistance vs. Temperature Table

R25=10KΩ±1% B25/85=3450K±1%

TEMP. (°C)	MINIMUM (KΩ)	NOMINAL (KΩ)	MAXIMUM (KΩ)	ALPHA(%/°C)
27.0	9.188	9.289	9.391	-3.67
28.0	8.854	8.956	9.058	-3.64
29.0	8.534	8.636	8.739	-3.62
30.0	8.228	8.330	8.433	-3.60
31.0	7.934	8.036	8.139	-3.58
32.0	7.653	7.755	7.857	-3.56
33.0	7.383	7.484	7.587	-3.54
34.0	7.124	7.225	7.327	-3.52
35.0	6.875	6.976	7.078	-3.50
36.0	6.637	6.737	6.838	-3.48
37.0	6.408	6.508	6.608	-3.46
38.0	6.188	6.287	6.387	-3.44
39.0	5.977	6.076	6.175	-3.42
40.0	5.775	5.872	5.970	-3.40
41.0	5.580	5.677	5.774	-3.38
42.0	5.393	5.489	5.585	-3.36
43.0	5.214	5.308	5.404	-3.34
44.0	5.041	5.134	5.229	-3.32
45.0	4.875	4.967	5.061	-3.30
46.0	4.715	4.806	4.899	-3.28
47.0	4.561	4.652	4.743	-3.26
48.0	4.413	4.503	4.593	-3.25
49.0	4.271	4.359	4.449	-3.23
50.0	4.134	4.221	4.310	-3.28
51.0	3.999	4.085	4.172	-3.27
52.0	3.869	3.954	4.040	-3.26
53.0	3.744	3.828	3.913	-3.25
54.0	3.624	3.706	3.790	-3.23
55.0	3.507	3.588	3.671	-3.22
56.0	3.395	3.475	3.556	-3.21
57.0	3.287	3.365	3.446	-3.20
58.0	3.182	3.260	3.339	-3.18
59.0	3.082	3.158	3.236	-3.17
60.0	2.985	3.060	3.136	-3.16
61.0	2.891	2.965	3.040	-3.15

**Resistance vs. Temperature Table**

R25=10KΩ±1% B25/85=3450K±1%

TEMP. (°C)	MINIMUM (KΩ)	NOMINAL (KΩ)	MAXIMUM (KΩ)	ALPHA(%/°C)
62.0	2.800	2.873	2.947	-3.14
63.0	2.713	2.785	2.858	-3.13
64.0	2.629	2.699	2.771	-3.11
65.0	2.548	2.617	2.688	-3.10
66.0	2.469	2.537	2.607	-3.09
67.0	2.393	2.460	2.529	-3.08
68.0	2.320	2.386	2.453	-3.07
69.0	2.249	2.314	2.380	-3.06
70.0	2.181	2.244	2.310	-3.05
71.0	2.115	2.177	2.241	-3.03
72.0	2.051	2.112	2.175	-3.02
73.0	1.989	2.050	2.111	-3.01
74.0	1.930	1.989	2.050	-3.00
75.0	1.872	1.930	1.990	-2.99
76.0	1.816	1.874	1.932	-2.98
77.0	1.763	1.819	1.876	-2.97
78.0	1.710	1.766	1.822	-2.96
79.0	1.660	1.714	1.770	-2.95
80.0	1.611	1.665	1.719	-2.94
81.0	1.564	1.617	1.670	-2.93
82.0	1.519	1.570	1.623	-2.92
83.0	1.475	1.525	1.577	-2.91
84.0	1.432	1.481	1.532	-2.90
85.0	1.391	1.439	1.489	-2.89
86.0	1.351	1.398	1.447	-2.88
87.0	1.312	1.359	1.407	-2.87
88.0	1.275	1.320	1.368	-2.86
89.0	1.238	1.283	1.330	-2.85
90.0	1.203	1.247	1.293	-2.84
91.0	1.169	1.213	1.257	-2.83
92.0	1.136	1.179	1.223	-2.82
93.0	1.104	1.146	1.189	-2.81
94.0	1.073	1.114	1.157	-2.80
95.0	1.044	1.084	1.125	-2.79
96.0	1.015	1.054	1.095	-2.78

**Resistance vs. Temperature Table**

R25=10KΩ±1% B25/85=3450K±1%

TEMP. (°C)	MINIMUM (KΩ)	NOMINAL (KΩ)	MAXIMUM (KΩ)	ALPHA(%/°C)
97.0	0.986	1.025	1.065	-2.77
98.0	0.959	0.997	1.037	-2.76
99.0	0.933	0.970	1.009	-2.75
100.0	0.907	0.944	0.982	-2.66
101.0	0.883	0.919	0.956	-2.65
102.0	0.860	0.895	0.932	-2.64
103.0	0.837	0.872	0.908	-2.63
104.0	0.815	0.849	0.885	-2.62
105.0	0.794	0.827	0.862	-2.61
106.0	0.773	0.806	0.840	-2.60
107.0	0.753	0.785	0.819	-2.60
108.0	0.734	0.765	0.798	-2.59
109.0	0.715	0.746	0.778	-2.58
110.0	0.696	0.727	0.759	-2.57
111.0	0.679	0.708	0.740	-2.56
112.0	0.661	0.691	0.721	-2.55
113.0	0.644	0.673	0.703	-2.54
114.0	0.628	0.656	0.686	-2.53
115.0	0.612	0.640	0.669	-2.52
116.0	0.597	0.624	0.653	-2.51
117.0	0.582	0.609	0.637	-2.50
118.0	0.567	0.594	0.621	-2.50
119.0	0.553	0.579	0.606	-2.49
120.0	0.540	0.565	0.591	-2.48
121.0	0.526	0.551	0.577	-2.47
122.0	0.513	0.538	0.563	-2.46
123.0	0.501	0.525	0.550	-2.45
124.0	0.488	0.512	0.537	-2.44
125.0	0.477	0.500	0.524	-2.44
126.0	0.465	0.488	0.512	-2.43
127.0	0.454	0.476	0.499	-2.42
128.0	0.443	0.465	0.488	-2.41
129.0	0.432	0.454	0.476	-2.40
130.0	0.422	0.443	0.465	-2.39
131.0	0.412	0.432	0.454	-2.39



**Resistance vs. Temperature Table**

R25=10KΩ±1% B25/85=3450K±1%

TEMP. (°C)	MINIMUM (KΩ)	NOMINAL (KΩ)	MAXIMUM (KΩ)	ALPHA(%/°C)
132.0	0.402	0.422	0.444	-2.38
133.0	0.392	0.412	0.433	-2.37
134.0	0.383	0.403	0.423	-2.36
135.0	0.374	0.393	0.414	-2.35
136.0	0.365	0.384	0.404	-2.35
137.0	0.357	0.375	0.395	-2.34
138.0	0.348	0.367	0.386	-2.33
139.0	0.340	0.358	0.377	-2.32
140.0	0.332	0.350	0.369	-2.31
141.0	0.325	0.342	0.360	-2.31
142.0	0.317	0.334	0.352	-2.30
143.0	0.310	0.327	0.344	-2.29
144.0	0.303	0.319	0.337	-2.28
145.0	0.296	0.312	0.329	-2.28
146.0	0.289	0.305	0.322	-2.27
147.0	0.283	0.298	0.315	-2.26
148.0	0.276	0.292	0.308	-2.26
149.0	0.270	0.285	0.301	-2.25
150.0	0.264	0.279	0.294	-2.20
151.0	0.258	0.273	0.288	-2.19
152.0	0.252	0.267	0.282	-2.18
153.0	0.247	0.261	0.276	-2.17
154.0	0.242	0.255	0.270	-2.16
155.0	0.236	0.250	0.264	-2.15
156.0	0.231	0.245	0.259	-2.14
157.0	0.226	0.240	0.253	-2.14
158.0	0.222	0.234	0.248	-2.13
159.0	0.217	0.230	0.243	-2.12
160.0	0.212	0.225	0.238	-2.11
161.0	0.208	0.220	0.233	-2.10
162.0	0.203	0.216	0.228	-2.09
163.0	0.199	0.211	0.224	-2.08
164.0	0.195	0.207	0.219	-2.07
165.0	0.191	0.203	0.215	-2.06
166.0	0.187	0.198	0.210	-2.05

Resistance vs. Temperature Table

R25=10KΩ±1% B25/85=3450K±1%

TEMP. (°C)	MINIMUM (KΩ)	NOMINAL (KΩ)	MAXIMUM (KΩ)	ALPHA(%/°C)
167.0	0.183	0.194	0.206	-2.04
168.0	0.179	0.190	0.202	-2.03
169.0	0.176	0.187	0.198	-2.03
170.0	0.172	0.183	0.194	-2.02
171.0	0.169	0.179	0.190	-2.01
172.0	0.165	0.176	0.187	-2.00
173.0	0.162	0.172	0.183	-1.99
174.0	0.159	0.169	0.179	-1.98
175.0	0.156	0.166	0.176	-1.97
176.0	0.153	0.162	0.173	-1.97
177.0	0.150	0.159	0.169	-1.96
178.0	0.147	0.156	0.166	-1.95
179.0	0.144	0.153	0.163	-1.94
180.0	0.141	0.150	0.160	-1.93
181.0	0.138	0.147	0.157	-1.92
182.0	0.136	0.144	0.154	-1.92
183.0	0.133	0.142	0.151	-1.91
184.0	0.131	0.139	0.148	-1.90
185.0	0.128	0.136	0.145	-1.89
186.0	0.126	0.134	0.143	-1.88
187.0	0.123	0.131	0.140	-1.88
188.0	0.121	0.129	0.138	-1.87
189.0	0.119	0.127	0.135	-1.86
190.0	0.116	0.124	0.133	-1.85
191.0	0.114	0.122	0.130	-1.85
192.0	0.112	0.120	0.128	-1.84
193.0	0.110	0.118	0.126	-1.83
194.0	0.108	0.115	0.123	-1.82
195.0	0.106	0.113	0.121	-1.82
196.0	0.104	0.111	0.119	-1.81
197.0	0.102	0.109	0.117	-1.80
198.0	0.100	0.107	0.115	-1.79
199.0	0.099	0.105	0.113	-1.79
200.0	0.097	0.104	0.111	-1.78
201.0	0.095	0.102	0.109	-1.77

**Resistance vs. Temperature Table**

R25=10KΩ±1% B25/85=3450K±1%

TEMP. (°C)	MINIMUM (KΩ)	NOMINAL (KΩ)	MAXIMUM (KΩ)	ALPHA(%/°C)
202.0	0.093	0.100	0.107	-1.76
203.0	0.092	0.098	0.105	-1.76
204.0	0.090	0.097	0.103	-1.75
205.0	0.089	0.095	0.102	-1.74
206.0	0.087	0.093	0.100	-1.74
207.0	0.086	0.092	0.098	-1.73
208.0	0.084	0.090	0.096	-1.72
209.0	0.083	0.089	0.095	-1.72
210.0	0.081	0.087	0.093	-1.71
211.0	0.080	0.086	0.092	-1.70
212.0	0.078	0.084	0.090	-1.69
213.0	0.077	0.083	0.089	-1.69
214.0	0.076	0.081	0.087	-1.68
215.0	0.075	0.080	0.086	-1.67
216.0	0.073	0.079	0.084	-1.67
217.0	0.072	0.077	0.083	-1.66
218.0	0.071	0.076	0.082	-1.65
219.0	0.070	0.075	0.080	-1.65
220.0	0.069	0.074	0.079	-1.64
221.0	0.067	0.072	0.078	-1.64
222.0	0.066	0.071	0.077	-1.63
223.0	0.065	0.070	0.075	-1.62
224.0	0.064	0.069	0.074	-1.62
225.0	0.063	0.068	0.073	-1.61
226.0	0.062	0.067	0.072	-1.60
227.0	0.061	0.066	0.071	-1.60
228.0	0.060	0.065	0.070	-1.59
229.0	0.059	0.064	0.069	-1.59
230.0	0.058	0.063	0.067	-1.58
231.0	0.057	0.062	0.066	-1.57
232.0	0.056	0.061	0.065	-1.57
233.0	0.056	0.060	0.064	-1.56
234.0	0.055	0.059	0.063	-1.56
235.0	0.054	0.058	0.062	-1.55
236.0	0.053	0.057	0.061	-1.54

**Resistance vs. Temperature Table**

R25=10KΩ±1% B25/85=3450K±1%

TEMP. (°C)	MINIMUM (KΩ)	NOMINAL (KΩ)	MAXIMUM (KΩ)	ALPHA(%/°C)
237.0	0.052	0.056	0.061	-1.54
238.0	0.051	0.055	0.060	-1.53
239.0	0.051	0.054	0.059	-1.53
240.0	0.050	0.054	0.058	-1.52
241.0	0.049	0.053	0.057	-1.51
242.0	0.048	0.052	0.056	-1.51
243.0	0.048	0.051	0.055	-1.50
244.0	0.047	0.051	0.055	-1.50
245.0	0.046	0.050	0.054	-1.49
246.0	0.045	0.049	0.053	-1.49
247.0	0.045	0.048	0.052	-1.48
248.0	0.044	0.048	0.051	-1.48
249.0	0.043	0.047	0.051	-1.47
250.0	0.043	0.046	0.050	-1.46
251.0	0.042	0.046	0.049	-1.46
252.0	0.042	0.045	0.049	-1.45
253.0	0.041	0.044	0.048	-1.45
254.0	0.040	0.044	0.047	-1.44
255.0	0.040	0.043	0.046	-1.44
256.0	0.039	0.042	0.046	-1.43
257.0	0.039	0.042	0.045	-1.43
258.0	0.038	0.041	0.045	-1.42
259.0	0.038	0.041	0.044	-1.42
260.0	0.037	0.040	0.043	-1.41
261.0	0.036	0.039	0.043	-1.41
262.0	0.036	0.039	0.042	-1.40
263.0	0.035	0.038	0.042	-1.40
264.0	0.035	0.038	0.041	-1.39
265.0	0.034	0.037	0.040	-1.39
266.0	0.034	0.037	0.040	-1.38
267.0	0.034	0.036	0.039	-1.38
268.0	0.033	0.036	0.039	-1.37
269.0	0.033	0.035	0.038	-1.37
270.0	0.032	0.035	0.038	-1.36
271.0	0.032	0.034	0.037	-1.36

**Resistance vs. Temperature Table**

R25=10KΩ±1% B25/85=3450K±1%

TEMP. (°C)	MINIMUM (KΩ)	NOMINAL (KΩ)	MAXIMUM (KΩ)	ALPHA(%/°C)
272.0	0.031	0.034	0.037	-1.35
273.0	0.031	0.033	0.036	-1.35
274.0	0.030	0.033	0.036	-1.34
275.0	0.030	0.033	0.035	-1.34
276.0	0.030	0.032	0.035	-1.33
277.0	0.029	0.032	0.034	-1.33
278.0	0.029	0.031	0.034	-1.32
279.0	0.028	0.031	0.034	-1.32
280.0	0.028	0.030	0.033	-1.31
281.0	0.028	0.030	0.033	-1.31
282.0	0.027	0.030	0.032	-1.30
283.0	0.027	0.029	0.032	-1.30
284.0	0.027	0.029	0.031	-1.30
285.0	0.026	0.029	0.031	-1.29
286.0	0.026	0.028	0.031	-1.29
287.0	0.026	0.028	0.030	-1.28
288.0	0.025	0.027	0.030	-1.28
289.0	0.025	0.027	0.030	-1.27
290.0	0.025	0.027	0.029	-1.27
291.0	0.024	0.026	0.029	-1.26
292.0	0.024	0.026	0.028	-1.26
293.0	0.024	0.026	0.028	-1.26
294.0	0.023	0.025	0.028	-1.25
295.0	0.023	0.025	0.027	-1.25
296.0	0.023	0.025	0.027	-1.24
297.0	0.023	0.025	0.027	-1.24
298.0	0.022	0.024	0.026	-1.23
299.0	0.022	0.024	0.026	-1.23
300.0	0.022	0.024	0.026	-1.23

Resistance vs. Temperature Table

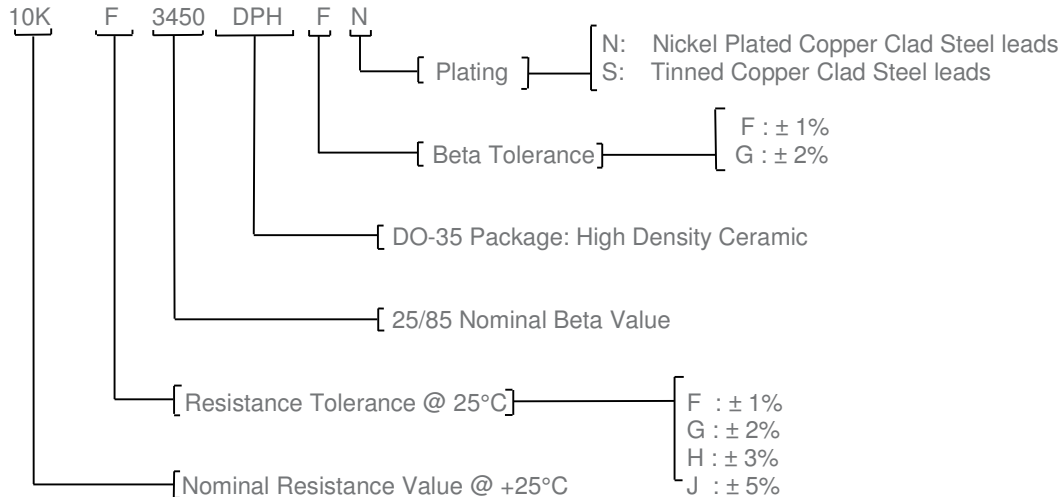
R25=10KΩ±1% B25/85=3450K±1%



# MEAS NTC DO-35 THERMISTOR 10K BETA<sub>25/85</sub> 3450

## Ordering Information

PART NUMBER	DESCRIPTION	NOM. Ω @25°C	RES. TOLERANCE	PACKAGING
10KF3450DPHFN	DO-35 Series Thermistor (+300°C) <sup>®</sup> for Nickel version	10,000	± 1%	Bulk
10KF3450DPHFS	DO-35 Series Thermistor (+200°C) <sup>®</sup> for Tinned version	10,000	± 1%	Bulk



MEAS PART NUMBER	RESISTANCE [Ω] @ +25°C	TOLERANCE @ +25°C	BETA VALUE 25/85	BETA TOLERANCE	OPERATING TEMPERATURE
5KF3950DPHFN	5000	± 1%	3950	± 1%	-40° to +300°C
5KF3950DPHFS	5000	± 1%	3950	± 1%	-40° to +200°C
10KF3977DPHFN	10000	± 1%	3977	± 1%	-40° to +300°C
10KF3977DPHFS	10000	± 1%	3977	± 1%	-40° to +200°C
50KF4050DPHFN	50000	± 1%	4050	± 1%	-40° to +300°C
50KF4050DPHFS	50000	± 1%	4050	± 1%	-40° to +200°C

### NORTH AMERICA

Measurement Specialties, Inc.,  
 a TE Connectivity Company  
 910 Turnpike Road  
 Shrewsbury, MA 01545  
 Tel : 1-508-842-0516  
 Fax : 1-508-842-0342  
 Email: customercare.ando@te.com

### EUROPE

Measurement Specialties (Europe), Ltd.,  
 a TE Connectivity Company  
 Ballybrit Business Park  
 Galway Ireland  
 Tel : +353-91-753238  
 Fax : +353-91-770789  
 Email: customercare.glwy@te.com

### ASIA

Measurement Specialties (China), Ltd.,  
 a TE Connectivity Company  
 No. 368 Wulian 1st Road  
 Gongxing Town  
 Shuangliu, Chengdu  
 Sichuan, 610200  
 China  
 Tel: +86 (0) 28 8573 9088  
 Fax: +86 (0) 28 8573 9070  
 Email: customercare.chdu@te.com

### te.com/sensorsolutions

Measurement Specialties, Inc., a TE Connectivity company.

Measurement Specialties, MEAS, TE Connectivity, TE Connectivity (logo) and EVERY CONNECTION COUNTS are trademarks. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2016 TE Connectivity Ltd. family of companies All Rights Reserved.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.