

**SPECIFICATION
Of
TEMPERATURE SENSOR**

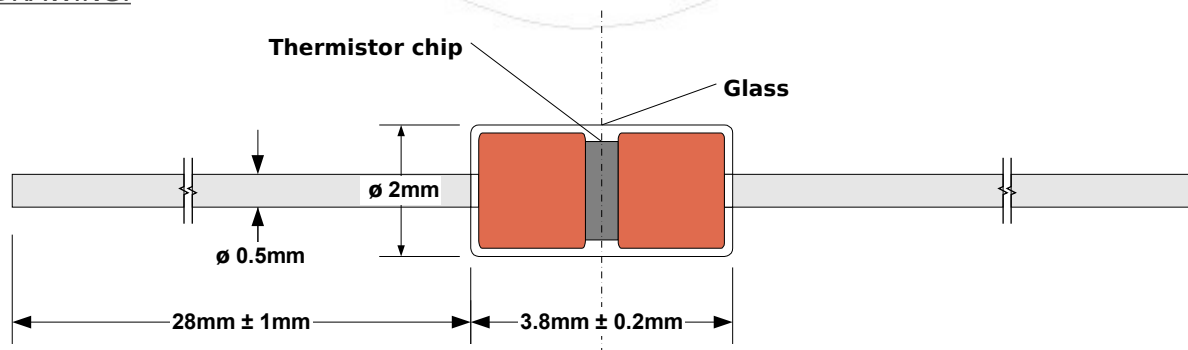
PART NUMBER: **TT-DO-10KC3-6-5%**
No. of pages: 3

Date: **23.03.2010**
Revision: **00**

CECHY:

No-load resistance at 25°C	10 000 Ω
Resistance tolerance at 25°C	± 5%
Beta(25/85) Constant	3982K
Beta(0/50) Constant	3892K
Operating temperature range	-40°C ÷ 250°C
RoHS Compliant	YES

DRAWING:



UNITS: [mm]

TEWA TEMPERATURE SENSORS

HIGH PRECISION NTC THERMISTORS AND TEMPERATURE SENSORS

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R/T CHARACTERISTIC:

T(°C)	R(kΩ)	T(°C)	R(kΩ)	T(°C)	R(kΩ)	T(°C)	R(kΩ)	T(°C)	R(kΩ)
-40	288.97	19	13.096	78	1.3451	137	0.2586	196	0.0752
-39	273.05	20	12.512	79	1.3024	138	0.2525	197	0.0739
-38	258.02	21	11.958	80	1.2613	139	0.2466	198	0.0725
-37	243.83	22	11.431	81	1.2216	140	0.2408	199	0.0712
-36	230.44	23	10.930	82	1.1834	141	0.2352	200	0.0700
-35	217.80	24	10.453	83	1.1466	142	0.2297	201	0.0687
-34	205.86	25	10.000	84	1.1111	143	0.2244	202	0.0675
-33	194.60	26	9.5689	85	1.0769	144	0.2193	203	0.0663
-32	183.97	27	9.1589	86	1.0439	145	0.2143	204	0.0651
-31	173.93	28	8.7688	87	1.0121	146	0.2094	205	0.0640
-30	164.46	29	8.3976	88	0.9814	147	0.2047	206	0.0629
-29	155.51	30	8.0442	89	0.9518	148	0.2000	207	0.0618
-28	147.07	31	7.7078	90	0.9232	149	0.1956	208	0.0607
-27	139.10	32	7.3873	91	0.8956	150	0.1912	209	0.0597
-26	131.58	33	7.0820	92	0.8690	151	0.1870	210	0.0587
-25	124.47	34	6.7910	93	0.8433	152	0.1828	211	0.0577
-24	117.76	35	6.5136	94	0.8185	153	0.1788	212	0.0567
-23	111.43	36	6.2492	95	0.7945	154	0.1749	213	0.0557
-22	105.45	37	5.9970	96	0.7714	155	0.1711	214	0.0548
-21	99.801	38	5.7563	97	0.7490	156	0.1674	215	0.0539
-20	94.466	39	5.5267	98	0.7274	157	0.1638	216	0.0530
-19	89.425	40	5.3075	99	0.7065	158	0.1602	217	0.0521
-18	84.663	41	5.0983	100	0.6864	159	0.1568	218	0.0512
-17	80.166	42	4.8984	101	0.6668	160	0.1535	219	0.0504
-16	75.918	43	4.7076	102	0.6479	161	0.1502	220	0.0496
-15	71.905	44	4.5252	103	0.6297	162	0.1470	221	0.0488
-14	68.114	45	4.3508	104	0.6120	163	0.1440	222	0.0480
-13	64.531	46	4.1842	105	0.5950	164	0.1409	223	0.0472
-12	61.146	47	4.0248	106	0.5784	165	0.1380	224	0.0464
-11	57.946	48	3.8724	107	0.5625	166	0.1352	225	0.0457
-10	54.922	49	3.7267	108	0.5470	167	0.1324	226	0.0449
-9	52.045	50	3.5871	109	0.5321	168	0.1296	227	0.0442
-8	49.336	51	3.4541	110	0.5176	169	0.1270	228	0.0435
-7	46.784	52	3.3267	111	0.5036	170	0.1244	229	0.0428
-6	44.379	53	3.2047	112	0.4900	171	0.1219	230	0.0422
-5	42.112	54	3.0879	113	0.4769	172	0.1194	231	0.0415
-4	40.009	55	2.9759	114	0.4642	173	0.1170	232	0.0408
-3	38.023	56	2.8686	115	0.4519	174	0.1147	233	0.0402

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-2	36.149	57	2.7658	116	0.4399	175	0.1124	234	0.0396
-1	34.379	58	2.6672	117	0.4284	176	0.1102	235	0.0390
0	32.706	59	2.5727	118	0.4172	177	0.1080	236	0.0384
1	31.102	60	2.4820	119	0.4063	178	0.1059	237	0.0378
2	29.584	61	2.3950	120	0.3958	179	0.1038	238	0.0372
3	28.146	62	2.3115	121	0.3856	180	0.1018	239	0.0366
4	26.784	63	2.2314	122	0.3758	181	0.0998	240	0.0361
5	25.494	64	2.1545	123	0.3662	182	0.0979	241	0.0355
6	24.272	65	2.0807	124	0.3569	183	0.0960	242	0.0350
7	23.114	66	2.0097	125	0.3479	184	0.0942	243	0.0345
8	22.016	67	1.9416	126	0.3391	185	0.0924	244	0.0340
9	20.975	68	1.8762	127	0.3307	186	0.0907	245	0.0335
10	19.987	69	1.8132	128	0.3225	187	0.0889	246	0.0330
11	19.051	70	1.7528	129	0.3145	188	0.0873	247	0.0325
12	18.162	71	1.6946	130	0.3068	189	0.0856	248	0.0320
13	17.319	72	1.6387	131	0.2993	190	0.0840	249	0.0315
14	16.518	73	1.5850	132	0.2920	191	0.0825	250	0.0311
15	15.758	74	1.5333	133	0.2849	192	0.0810	251	0.0306
16	15.040	75	1.4835	134	0.2781	193	0.0795	252	0.0302
17	14.358	76	1.4356	135	0.2714	194	0.0780	253	0.0297
18	13.711	77	1.3895	136	0.2649	195	0.0766	254	0.0293