

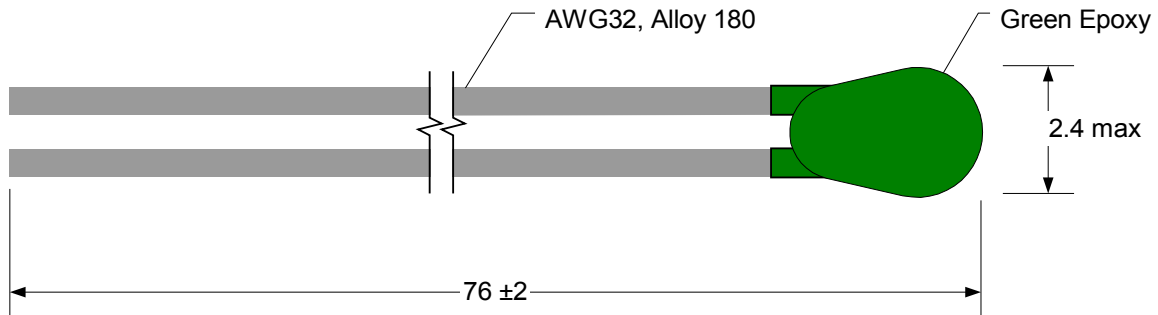
SPECIFICATION
Of
NTC CHIP THERMISTORPART NUMBER: **TT3-1KC7-BG-CON**

No. of pages: 2

customer part number:

Date: **26.08.2015**Revision: **00**FEATURES:

No-load resistance at 25°C	1 000 Ω
Temperature Coefficient [alpha] at 25°C	-3.87%/°C
Resistance tolerance from 0°C to 70°C	± 0.2°C
Beta(25/85) Constant	3 500 ± 0.3%
Operating temperature range	From - 40°C to 125°C
Maximum Exposure Temperature	150°C
Response Time in well stirred liquid bath	~1s
Response Time in still air	~10s
Typical Dissipation Constant in still air	0.75mW/°C
RoHS Compliant	YES

DRAWING:

Units: [mm]

TEWA TERMICO LTD.

HIGH PRECISION NTC THERMISTORS AND TEMPERATURE SENSORS

PART NUMBER: **TT3-1KC7-BG-CON**

R/T CHARACTERISTIC:

Resistance 1 000 Ohms at 25°C			
Tolerance ± 0.2°C from 0°C to 70°C			
B(25/85) 3500 ± 0.3%			
Curve 7			
T (oC)	R min	R center	R max
-40	21091,28	21681	22270,72
-35	15908,45	16308	16707,55
-30	12113,31	12382	12650,69
-25	9304,79	9485	9665,22
-20	7209,54	7329	7448,46
-15	5628,5	5709	5789,5
-10	4428,66	4482	4535,34
-5	3508,77	3546	3583,23
0	2799,58	2825	2850,43
5	2246,29	2266	2285,71
10	1814,63	1830	1845,37
15	1474,81	1487	1499,19
20	1206,27	1216	1225,73
25	992,3	1000	1007,7
30	820,8	827	833,2
35	682,58	687,6	692,62
40	570,6	574,70	578,8
45	479,4	482,70	486,0
50	404,7	407,40	410,1
55	343,2	345,40	347,6
60	292,2	294,10	296,0
65	249,9	251,50	253,1
70	214,7	216,00	217,3
75	185,0	186,20	187,4
80	160,1	161,20	162,3
85	138,9	140,00	141,1
90	121,0	122,00	123,0
95	105,8	106,70	107,6
100	92,9	93,70	94,5
105	81,7	82,50	83,3
110	72,1	72,80	73,5
115	63,8	64,50	65,2
120	56,6	57,30	58,0
125	50,4	51,00	51,6
130	45,0	45,60	46,2
135	40,2	40,80	41,4
140	36,0	36,60	37,2
145	32,4	33,00	33,6
150	29,3	29,80	30,3