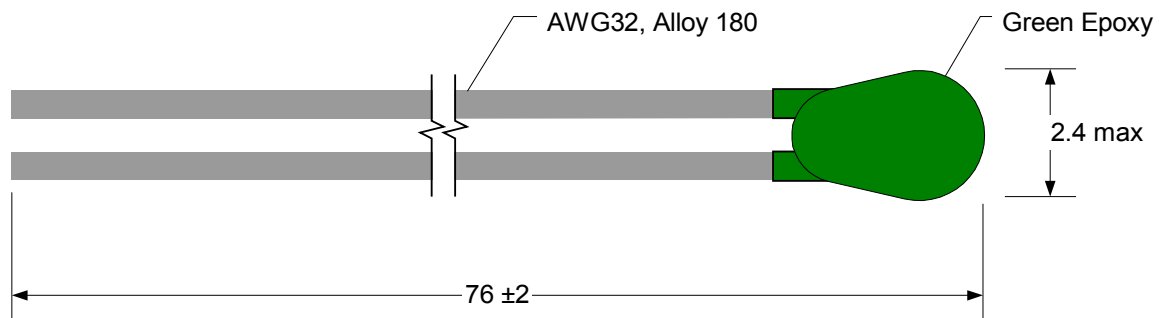


SPECIFICATION
Of
NTC CHIP THERMISTORPART NUMBER: **TT3-50KC6-BG-CON**

No. of pages: 2

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

No-load resistance at 25°C	50 000 Ω
Temperature Coefficient [alpha] at 25°C	-4.68%/°C
Resistance tolerance from 0°C to 70°C	± 0.2°C
Beta(25/85) Constant	4 260 ± 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: **TT3-50KC6-BG-CON**

R/T CHARACTERISTIC:

Resistance			
Tolerance			
B(25/85)			
Curve			
		50 000	Ohms at 25°C
		± 0.2°C	from 0°C to 70°C
		4260	± 0.3%
		6	
T (oC)	R min	R center	R max
-40	1963152,48	2033640,80	2104129,13
-35	1401201,18	1445444,94	1489688,69
-30	1011193,95	1038702,18	1066210,40
-25	736754,45	754274,18	771793,90
-20	542239,22	553242,00	564244,77
-15	402608,44	409693,68	416778,92
-10	301710,76	306184,23	310657,70
-5	227897,37	230843,11	233788,85
0	173593,80	175510,00	177426,20
5	133092,47	134519,91	135947,36
10	102832,23	103902,97	104973,70
15	80043,48	80851,92	81660,35
20	62750,17	63364,36	63978,55
25	49525,54	50000,00	50474,46
30	39349,79	39714,51	40079,23
35	31459,71	31744,78	32029,84
40	25307,58	25529,04	25750,49
45	20475,82	20650,75	20825,69
50	16660,04	16798,93	16937,82
55	13629,01	13739,82	13850,62
60	11208,94	11296,60	11384,26
65	9263,19	9334,68	9406,17
70	7693,21	7751,00	7808,79
75	6413,37	6466,18	6518,98
80	5371,17	5418,73	5466,28
85	4517,03	4560,77	4604,51
90	3814,71	3854,83	3894,95
95	3236,04	3271,42	3306,80
100	2755,93	2787,21	2818,50
105	2355,48	2383,70	2411,91
110	2020,81	2046,08	2071,35
115	1737,31	1762,52	1787,72
120	1498,69	1523,46	1548,24
125	1298,22	1321,21	1344,19
130	1128,18	1149,49	1170,80
135	982,62	1003,20	1023,78
140	858,50	878,17	897,83
145	752,57	770,96	789,35
150	661,56	678,75	695,94