

SPECIFICATION  
Of  
NTC CHIP THERMISTORPART NUMBER: **TT3-10KC3-BG-CON**

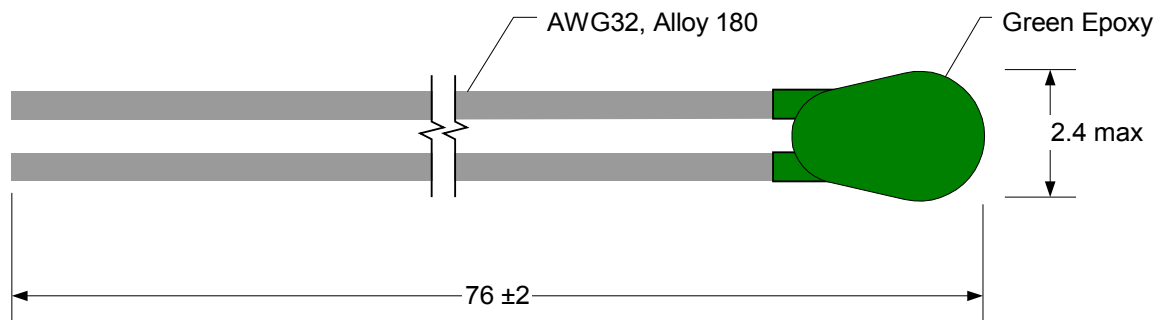
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## FEATURES:

No-load resistance at 25°C	10 000 Ω
Temperature Coefficient [alpha] at 25°C	-4.39%/°C
Resistance tolerance from 0°C to 70°C	± 0.2°C
Beta(25/85) Constant	3 977 ± 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
<b>RoHS Compliant</b>	<b>YES</b>

## DRAWING:



Units: [mm]

# TEWA TERMICO LTD.

HIGH PRECISION NTC THERMISTORS AND TEMPERATURE SENSORS

PART NUMBER: **TT3-10KC3-BG-CON**

R/T CHARACTERISTIC:

<b>Resistance Tolerance B(25/85) Curve</b>				<b>10 000 ± 0.2°C 3977 3</b>	<b>Ohms at 25°C from 0°C to 70°C ± 0.3%</b>
<b>T (°C)</b>	<b>R min</b>	<b>R center</b>	<b>R max</b>		
-40	324799,59	336052,27	347304,95		
-35	235262,36	242399,08	249535,81		
-30	172289,91	176785,69	181281,47		
-25	127405,73	130295,87	133186,01		
-20	95161,32	96999,71	98838,10		
-15	71706,19	72906,73	74107,27		
-10	54527,41	55301,25	56075,08		
-5	41796,85	42315,13	42833,42		
0	32306,87	32650,00	32993,13		
5	25138,01	25394,52	25651,03		
10	19710,01	19902,93	20095,85		
15	15566,03	15713,53	15861,04		
20	12379,83	12493,29	12606,75		
25	9911,22	10000,00	10088,78		
30	7987,01	8056,07	8125,14		
35	6475,65	6530,31	6584,96		
40	5281,56	5325,04	5368,53		
45	4332,29	4367,06	4401,84		
50	3573,52	3601,10	3628,68		
55	2962,91	2985,17	3007,42		
60	2469,11	2487,15	2505,18		
65	2067,65	2082,33	2097,01		
70	1739,61	1751,60	1763,59		
75	1468,88	1480,06	1491,25		
80	1245,81	1256,07	1266,33		
85	1060,95	1070,45	1079,95		
90	907,17	915,95	924,74		
95	778,94	786,81	794,68		
100	671,43	678,42	685,41		
105	580,73	587,08	593,43		
110	504,10	509,82	515,55		
115	438,47	444,23	449,99		
120	382,63	388,34	394,05		
125	335,44	340,55	345,67		
130	294,97	299,56	304,15		
135	259,65	264,28	268,90		
140	229,21	233,81	238,42		
145	203,07	207,44	211,80		
150	180,39	184,52	188,66		