

SPECIFICATION
Of
NTC CHIP THERMISTORPART NUMBER: **TT3-30KC5-BG-CON**

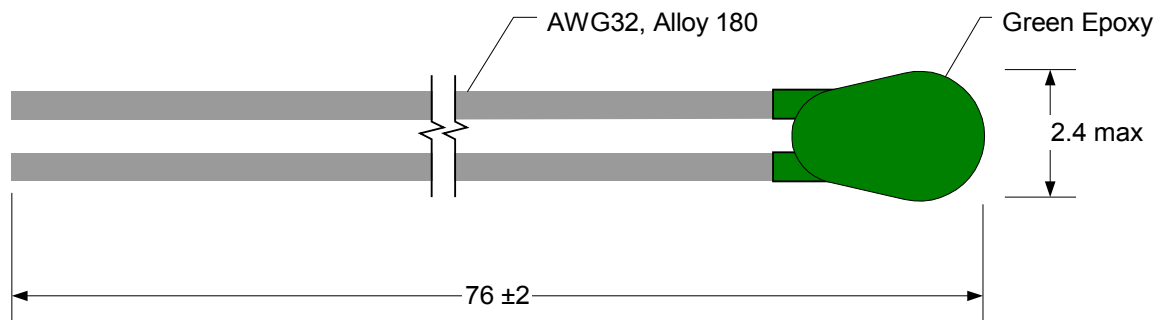
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FEATURES:

No-load resistance at 25°C	30 000 Ω
Temperature Coefficient [alpha] at 25°C	-4.30%/°C
Resistance tolerance from 0°C to 70°C	± 0.2°C
Beta(25/85) Constant	3 939 ± 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: **TT3-30KC5-BG-CON**

R/T CHARACTERISTIC:

Resistance			
Tolerance			
B(25/85)			
Curve			
		30 000	Ohms at 25°C
		± 0.2°C	from 0°C to 70°C
		3939	± 0.3%
		5	
T (oC)	R min	R center	R max
-40	856193,55	884198,18	912202,80
-35	630649,44	648789,95	666930,46
-30	469003,44	480620,23	492237,02
-25	351710,66	359305,50	366900,34
-20	266058,83	270969,50	275880,17
-15	202824,39	206068,75	209313,10
-10	155878,05	157975,00	160071,94
-5	120621,44	122041,25	123461,05
0	94030,30	94980,00	95929,70
5	73723,69	74445,29	75166,89
10	58197,54	58749,04	59300,53
15	46238,21	46666,78	47095,34
20	36972,28	37303,47	37634,65
25	29739,76	30000,00	30260,24
30	24061,94	24267,51	24473,08
35	19577,69	19740,91	19904,12
40	16017,15	16145,72	16274,29
45	13171,27	13274,28	13377,28
50	10885,59	10968,47	11051,36
55	9039,32	9107,21	9175,11
60	7542,12	7597,22	7652,32
65	6321,36	6366,24	6411,12
70	5321,32	5358,00	5394,68
75	4494,22	4528,44	4562,66
80	3811,53	3842,91	3874,29
85	3244,58	3273,98	3303,38
90	2772,75	2799,89	2827,03
95	2378,98	2403,26	2427,53
100	2048,60	2070,15	2091,69
105	1769,81	1789,34	1808,88
110	1534,20	1551,78	1569,36
115	1332,32	1350,10	1367,88
120	1160,71	1178,29	1195,87
125	1015,65	1031,46	1047,28
130	891,32	905,57	919,83
135	782,94	797,31	811,67
140	689,62	703,92	718,21
145	609,56	623,12	636,68
150	540,19	553,03	565,88