

TEWA TEMPERATURE SENSORS

HIGH PRECISION NTC THERMISTORS AND TEMPERATURE SENSORS

Specification of Epoxy Coated NTC Thermistor

PART NUMBER: **TTS-2.2KC3-BG**

No. of pages: 2

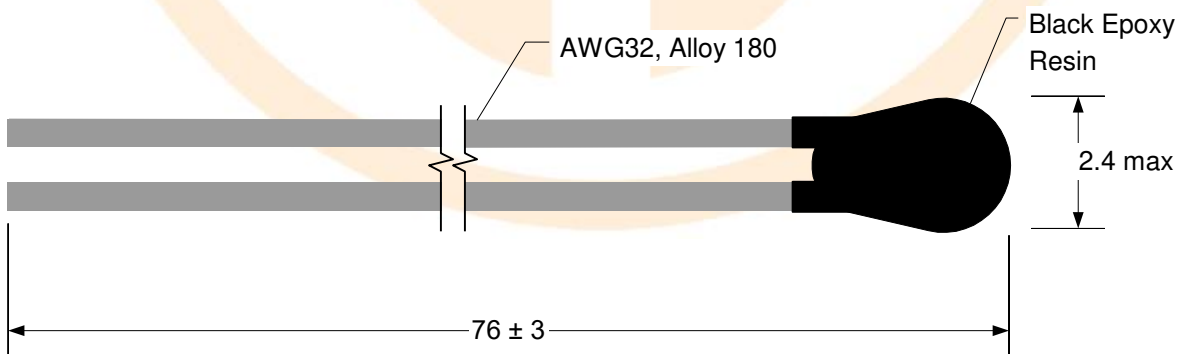
Date: **24.09.2015**

Revision: **00**

FEATURES:

Sensing Element	Epoxy Coated NTC Thermistor
No-load resistance at 25°C	2252 Ω
Tolerances from 0°C to 70°C	± 0.2°C
Beta(25/85) Constant	3977K ± 1%
Operating temperature range	-40°C ÷ 125°C
Response Time in well stirred liquid bath	~1 sec.
Response Time in still air	~10 sec.
Typical Dissipation Constant in still air	0.75mW/°C
RoHS Compatible	YES

DRAWING:



UNITS: [mm]

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R/T CHARACTERISTIC:

Resistance 2 252 Ohms at 25°C				
Tolerance 0.2°C From 0°C to 70°C				
B(25/85) 3977 ± 1%				
Material no. 3				
Temp (°C)	R/R(25C) (Ohms)		Temp (°C)	R Value (Ohms)
-40	33,566800		-40	75592,43
-35	24,219300		-35	54541,86
-30	17,668200		-30	39788,79
-25	13,024200		-25	29330,5
-20	9,697300		-20	21838,32
-15	7,289400		-15	16415,73
-10	5,529700		-10	12452,88
-5	4,231400		-5	9529,11
0	3,265100		0	7353,01
5	2,539500		5	5718,95
10	1,990300		10	4482,16
15	1,571400		15	3538,79
20	1,249400		20	2813,65
25	1,000000		25	2252
30	0,805600		30	1814,21
35	0,653010		35	1470,58
40	0,532490		40	1199,17
45	0,436690		45	983,43
50	0,360100		50	810,95
55	0,298510		55	672,24
60	0,248710		60	560,09
65	0,208230		65	468,93
70	0,175160		70	394,46
75	0,148010		75	333,32
80	0,125620		80	282,9
85	0,107060		85	241,1
90	0,091610		90	206,31
95	0,078698		95	177,23
100	0,067863		100	152,83
105	0,058730		105	132,26
110	0,051006		110	114,87
115	0,044448		115	100,1
120	0,038859		120	87,51
125	0,034082		125	76,75
130	0,029982		130	67,52
135	0,026454		135	59,57
140	0,023408		140	52,71
145	0,020770		145	46,77
150	0,018478		150	41,61