

TEWA TEMPERATURE SENSORS

HIGH PRECISION NTC THERMISTORS AND TEMPERATURE SENSORS

Specification of Epoxy Coated NTC Thermistor

PART NUMBER: **TTS-20KC6-BG**

No. of pages: 2

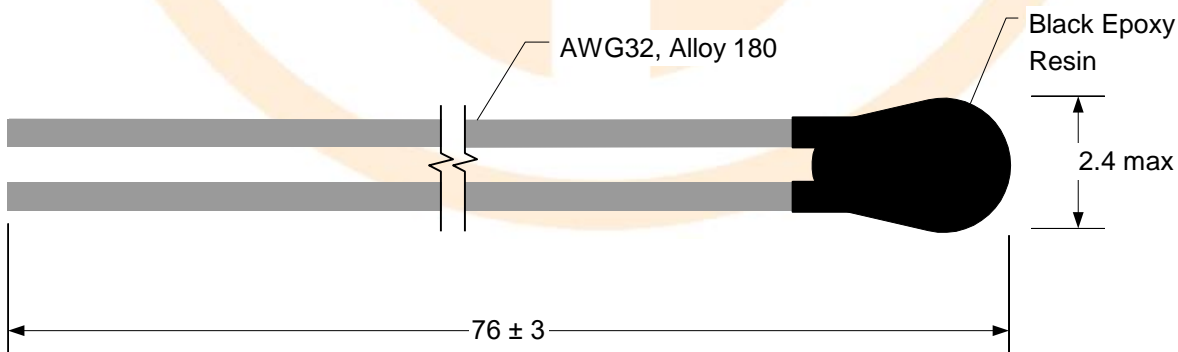
Date: **24.09.2015**

Revision: **00**

FEATURES:

Sensing Element	Epoxy Coated NTC Thermistor
No-load resistance at 25°C	20000 Ω
Tolerances from 0°C to 70°C	± 0.2°C
Beta(25/85) Constant	4260K ± 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 20 000 Ohms at 25°C Tolerance $\pm 0.2^\circ\text{C}$ from 0°C to 70°C B(25/85) 4260 $\pm 1\%$ Material no. 6				
Temp (°C)	R/R(25C) (Ohms)		Temp (°C)	R Value (Ohms)
-40	40,672000		-40	813440,0
-35	28,909000		-35	578180,0
-30	20,774000		-30	415480,0
-25	15,085000		-25	301700,0
-20	11,065000		-20	221300,0
-15	8,193800		-15	163876,0
-10	6,123700		-10	122474,0
-5	4,616900		-5	92338,0
0	3,510200		0	70204,0
5	2,690400		5	53808,0
10	2,078100		10	41562,0
15	1,617000		15	32340,0
20	1,267300		20	25346,0
25	1,000000		25	20000,0
30	0,794280		30	15885,6
35	0,634890		35	12697,8
40	0,510580		40	10211,6
45	0,413010		45	8260,2
50	0,335980		50	6719,6
55	0,274800		55	5496,0
60	0,225930		60	4518,6
65	0,186690		65	3733,8
70	0,155020		70	3100,4
75	0,129320		75	2586,4
80	0,108370		80	2167,4
85	0,091215		85	1824,3
90	0,077097		90	1541,9
95	0,065428		95	1308,6
100	0,055744		100	1114,9
105	0,047674		105	953,5
110	0,040921		110	818,4
115	0,035251		115	705,0
120	0,030469		120	609,4
125	0,026424		125	528,5
130	0,022990		130	459,8
135	0,020064		135	401,3
140	0,017563		140	351,3
145	0,015419		145	308,4
150	0,013575		150	271,5