



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# TEWA TEMPERATURE SENSORS

HIGH PRECISION NTC THERMISTORS AND TEMPERATURE SENSORS

## Specification of Epoxy Coated NTC Thermistor

PART NUMBER: **TTS-10KC3-BG**

No. of pages: 2

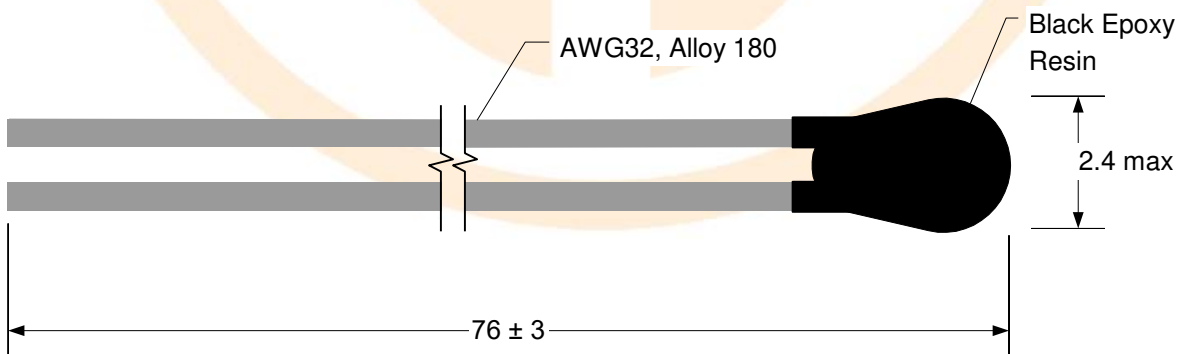
Date: **24.09.2015**

Revision: **00**

FEATURES:

Sensing Element	Epoxy Coated NTC Thermistor
No-load resistance at 25°C	10000 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
<b>RoHS Compatible</b>	<b>YES</b>

DRAWING:



UNITS: [mm]

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HIGH PRECISION NTC THERMISTORS AND TEMPERATURE SENSORS

PART NUMBER: **TTS-10KC3-BG**

R/T CHARACTERISTIC:

Resistance <b>10 000</b> Ohms at 25°C				
Tolerance <b>0.2°C</b> From 0°C to 70°C				
B(25/85) <b>3977</b> ± 1%				
Material no. <b>3</b>				
Temp (°C)	R/R(25C) (Ohms)		Temp (°C)	R Value (Ohms)
-40	33,566800		-40	335668
-35	24,219300		-35	242193
-30	17,668200		-30	176682
-25	13,024200		-25	130242
-20	9,697300		-20	96973
-15	7,289400		-15	72894
-10	5,529700		-10	55297
-5	4,231400		-5	42314
0	3,265100		0	32651
5	2,539500		5	25395
10	1,990300		10	19903
15	1,571400		15	15714
20	1,249400		20	12494
25	1,000000		25	<b>10000</b>
30	0,805600		30	8056
35	0,653010		35	6530,1
40	0,532490		40	5324,9
45	0,436690		45	4366,9
50	0,360100		50	3601
55	0,298510		55	2985,1
60	0,248710		60	2487,1
65	0,208230		65	2082,3
70	0,175160		70	1751,6
75	0,148010		75	1480,1
80	0,125620		80	1256,2
85	0,107060		85	1070,6
90	0,091610		90	916,1
95	0,078698		95	786,98
100	0,067863		100	678,63
105	0,058730		105	587,3
110	0,051006		110	510,06
115	0,044448		115	444,48
120	0,038859		120	388,59
125	0,034082		125	340,82
130	0,029982		130	299,82
135	0,026454		135	264,54
140	0,023408		140	234,08
145	0,020770		145	207,7
150	0,018478		150	184,78