

S P E C I F I C A T I O N

THERMISTOR, TYPE PT3-25E2-W1

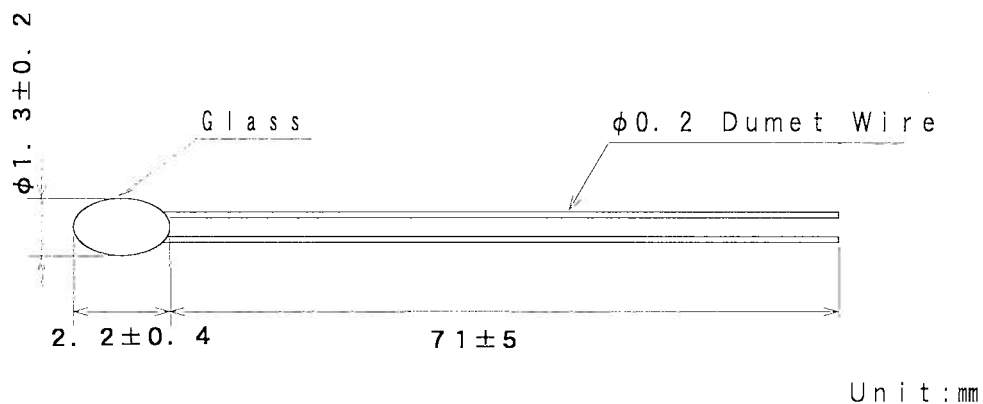
1. Scope

This specification deals with shape, dimensions, characteristics, inspection standard etc. of type PT3-25E2-W1 used for barbecue fork.

2. Specifications

2. 1 Element : Thermistor, type PSB-S3

2. 2 Shape and dimensions



2. 3 Characteristics

(1) Electrical characteristics

(a) Resistance value : $R = 98.63 \text{ k}\Omega \pm 2\%$ (at 25°C)

(b) B value : $B = 4066 \text{ K} \pm 2\%$
(calculated from resistance value at 25°C and 85°C)

(c) Insulation resistance 10M Ω or over by DC50V megger
(between glass and lead wire)

(2) Thermal time constant (τ) : $\tau = 3.5 \sim 6.5 \text{ s}$ (in still air)(3) Thermal dissipation constant (δ) : $\delta = 0.7 \sim 0.9 \text{ mW/}^\circ\text{C}$ (in still air)(4) Operating temperature range : $-50 \sim +300 \text{ }^\circ\text{C}$

Title: THERMISTOR TYPE PT3-25E2-W1	Drafter R. Hattori	Appr. by <i>T. Watanabe</i>	Dwg. No. 1/2 TE21299 ver. 1
---------------------------------------	-----------------------	--------------------------------	-----------------------------------

3. Outgoing Inspection

- (1) The product shall be inspected at every delivery lot inspection items, sampling quantities and sampling acceptable standard are as follows.

Inspection Item	Sampling acceptable Standard	Remarks
Resistance value	n=20, Ac=0, Re=1	2. 3 (1) (a)
B-value	n=10, Ac=0, Re=1	2. 3 (1) (b)
Insulation Resistance	n=5, Ac=0, Re=1	2. 3 (1) (c)
Shape & dimensions	n=5, Ac=0, Re=1	2. 2
Appearance	n=5, Ac=0, Re=1	2. 2

(2) Inspection data

Inspection data will be issued for pay upon request.

4. Packing

Packing shall be done not to cause damage or soil during delivery.

Title: THERMISTOR TYPE PT3-25E2-W1	Drafter R. Hattori	Appr. by <i>T. Watanabe</i>	Dwg. No. 2/2 TE21299 ver. 1
---------------------------------------	-----------------------	--------------------------------	-----------------------------------