

DEVELOPMENT DATA

This data sheet contains advance information and specifications are subject to change without notice.

2322 636 90018

NTC THERMISTOR

QUICK REFERENCE DATA

Resistance at 25 °C	150 k Ω \pm 20 %
B _{25/85} value	4200 K \pm 5 %
Maximum dissipation	0,5 W
Operating temperature range at zero power	-25 to 125 °C
at maximum power	0 to 55 °C

APPLICATION

For use in the e.h.t. lead of colour television sets.

DESCRIPTION

This thermistor has a negative temperature coefficient. It consists of a rod with two axial tinned solid copper wires and a shrink sleeve.

MECHANICAL DATA

Outlines

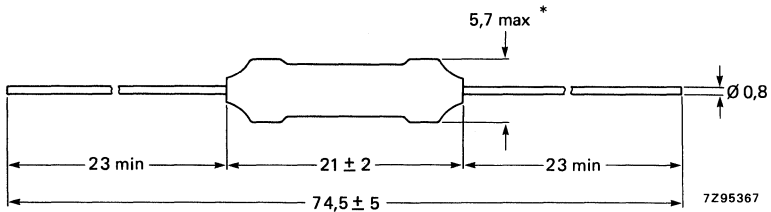


Fig. 1.

* The thermistors are required to pass through a control gauge dimensioned as per Fig. 2.

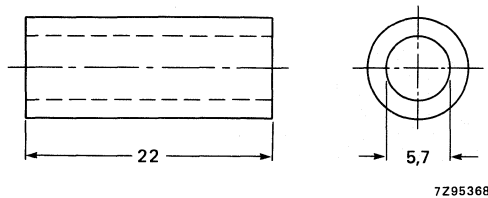


Fig. 2.

MECHANICAL DATA (continued)**Marking** : none**Mass** : approx. 1,4 g**Mounting** : in any position by soldering**Robustness of terminations**

tensile strength	10 N
bending	5 N
torsion	3 times

Soldering

Solderability	max. 240 °C, max. 4 s
Resistance to heat	max. 265 °C, max. 11 s

Impact

Free fall	1000 mm
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Resistance to solvents

The thermistors is resistant to all cleaning solvents according to IEC 68-2-45.

Inflammability

Non inflammable according to IEC 695-2-2 (1980, needle flame).

PACKAGING

The thermistors are packed in cardboard boxes of 500.

ELECTRICAL DATA

Unless otherwise specified, measured according to IEC publication 539 of 1976

Resistance at 25 °C	150 k Ω \pm 20%
B25/85 value	4200 K \pm 5%
Temperature coefficient	- 4,7 %/K
Maximum dissipation	0,5 W
Flash-over test, see Fig. 3	min. 27 kV

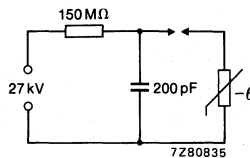


Fig. 3.

Operating temperature range at
zero power
maximum power, see Fig. 4

-25 to 125 °C
0 to 55 °C

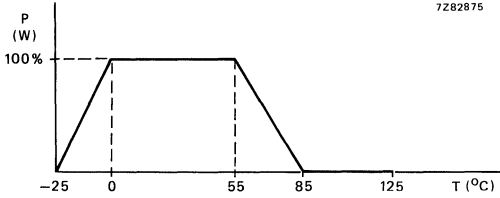


Fig. 4 Derating curve.

DEVELOPMENT DATA

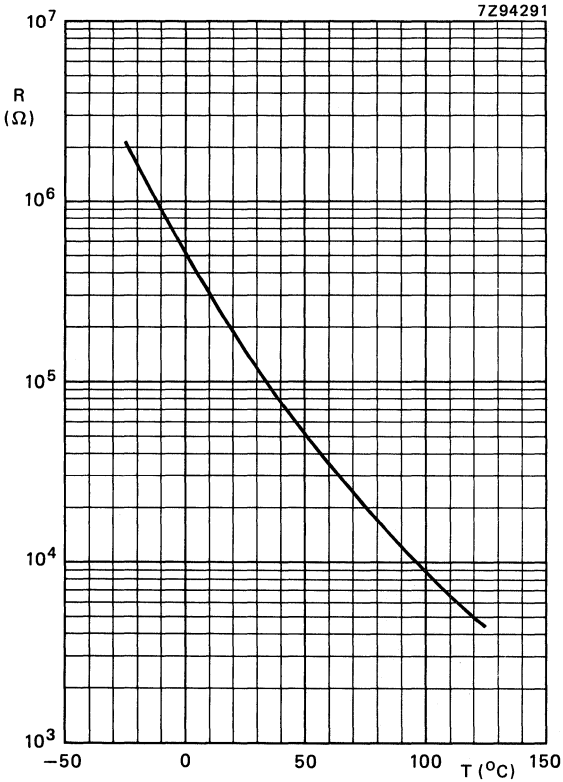


Fig. 5 Typical resistance/temperature characteristic.

NTC THERMISTORS

QUICK REFERENCE DATA

Resistance value at +25 °C	2,7 to 330 k Ω	
B _{25/85} value	3660 to 4150 K	
Maximum dissipation	0,25 W	
Dissipation factor	7 mW/K	←
Thermal time constant	10 s	←
Operating temperature range at zero power	-25 to +125 °C	
at maximum power	0 to +55 °C	

APPLICATION

Temperature sensing and control.

DESCRIPTION

The thermistor has a negative temperature coefficient. It consists of a disc with two tinned copper wires. It is grey lacquered and colour coded, but not insulated.

MECHANICAL DATA

Outlines

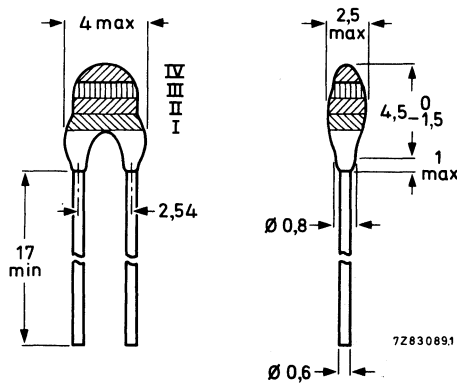


Fig. 1.