

Diode type NTC Thermistor

Application

Temperature sensor for household appliances : rice cooker, electronic range, oven, etc.

Temperature sensor for industrial products : pharmaceutical, chemical, food, etc.

Features

Excellent endurance against thermal shock

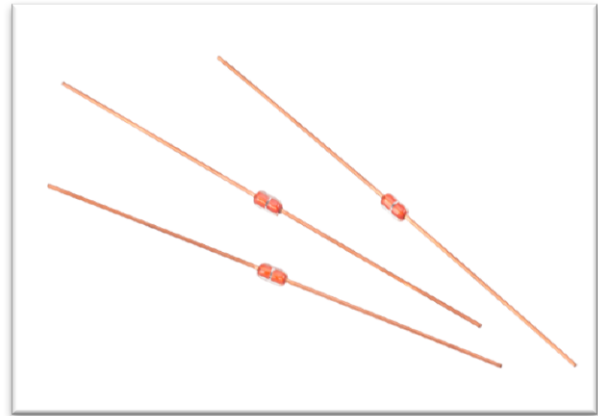
Excellent stability at high temperature

Small precision type

Epoxy coating for hermeticity from environment

Lead frame is used for low price

Variable shape of sensor assembly possible

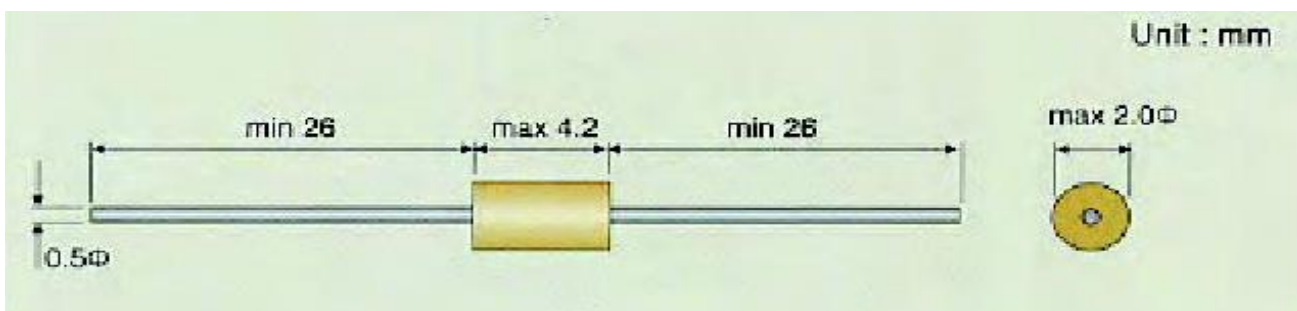


Numbering

TH	310	F	36	F	B	PS
①	②	③	④	⑤	⑥	⑦

1. Series : Diode type "TH Series"
2. Resistance value : $10k\Omega (10 \times 10^3\Omega)$ at 25°C
3. R tolerance : F($\pm 1\%$), H($\pm 3\%$), J($\pm 5\%$), K($\pm 10\%$), S(Special)
4. B constance : $3600k \sim 3699k$
5. B tolerance : F($\pm 1\%$), H($\pm 3\%$), J($\pm 5\%$), K($\pm 10\%$), S(Special)
6. Standard Temperature : A(0°C), B(25°C), C(50°C), D(100°C),
7. Lead wire : PS(Pb-Sn plate), NI(NI plate)

Dimension



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Specification

Dissipation factor(in still air)	Time constant(in still air)	Max. power rating at 25°C
2.0mW/°C	25 sec.	25Mw

Part No.	R value at 25°C(kΩ)	B value (25/50)	Max. operating current at 25°C	Max. power rating at 25°C	Operating temp.
TH220J33G	2.000	3375k	0.220mA	30.0mA	-40 ~ 250°C
TH225J13G	2.500	3300k	0.220mA	30.0mA	-40 ~ 250°C
TH238J34G	3.896	3434k	0.200mA	26.5mA	-40 ~ 250°C
TH253J34G	5.369	3434k	0.160mA	24.0mA	-40 ~ 250°C
TH310J34G	10.740	3434k	0.130mA	20.0mA	-40 ~ 250°C
TH310J36G	10.000	3684k	0.140mA	20.0mA	-40 ~ 250°C
TH310J39G	10.000	3933k	0.140mA	20.0mA	-40 ~ 250°C
TH315J39G	15.000	3952k	0.120mA	17.0mA	-40 ~ 250°C
TH320J39G	20.000	3952k	0.100mA	15.0mA	-40 ~ 250°C
TH330J39G	30.000	3952k	0.090mA	13.0mA	-40 ~ 250°C
TH347J39G	47.000	3952k	0.060mA	10.0mA	-40 ~ 250°C
TH349J39G	49.120	3952k	0.060mA	10.0mA	-40 ~ 250°C
TH350J39G	98.630	3952k	0.060mA	10.0mA	-40 ~ 250°C
TH398J40G	50.000	4014k	0.045mA	5.0mA	-40 ~ 250°C
TH410J40G	100.000	4014k	0.045mA	5.0mA	-40 ~ 250°C
TH420J34G	200.000	3450k	0.015mA	3.5mA	-40 ~ 250°C
TH423J41G	231.000	4176k	0.015mA	3.5mA	-40 ~ 250°C
TH510J44G	1000.000	4491k	0.007mA	1.5mA	-40 ~ 250°C
TH513J44G	1300.000	4491k	0.005mA	1.0mA	-40 ~ 250°C