THERMOMETRICS
A COMMITMENT TO EXCELLENCE

NTC Interchangeable Type 95 Series

Thermometrics Thermistors

Features

- Precision, solid state temperature sensor
- Interchangeability down to ±0.18°F (±0.1°C)
- Suitable for use over a range of -112°F to 302°F (–80°C to 150°C)
- High sensitivity, greater than –4%/°C at 77°F (25°C)
- Suitable for temperature measurement, control and compensation
- High reliability and stability over an interchangeable range
- Most popular Resistance (R) vs Temperature (T) curves are available
- Resin-coated for good mechanical strength and resistance to solvents
- Rugged construction
- DC95: .012 in (0.3mm) diameter bare tinned copper lead wires
- EC95: .008 in (0.2mm) diameter bare tinned Cu-Ni alloy lead wires
- TK95: .010 in (.25mm) diameter PTFE/PFA Cu-Ni alloy lead wires

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Type TK95 Specifications

Insulated Lead NTC Interchangeable Thermistor Chip

Epoxy-coated, NTC interchangeable thermistor chips with PTFE/PFA insulated nickel lead-wires. RoHS compliant.

Options

Consult Factory for Availability of Options

- Other resistance values in the range of 1000 : to 100 k :
- Other tolerances or ranges
- Alternative lead wires or lengths
- Non standard R vs T curves
- Controlled dimensions
- Special sensor assemblies or enclosures

Thermal and Electrical Properties

Dissipation Constant

Still air: 1.5 mW/°C
Stirred oil: 8 mW/°C

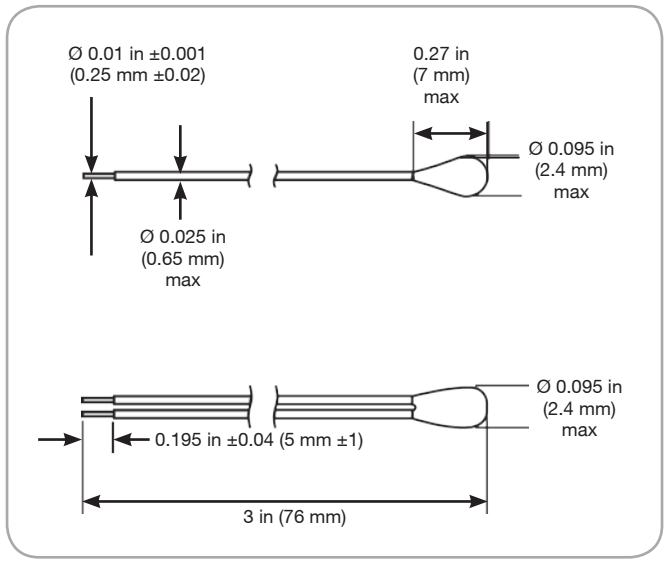
Thermal Time Constant

Still air: 10 seconds
Stirred oil: 1 second

Maximum Power at 77°F (25°C)

75 mW

De-rated from 100% at 77°F (25°C) to 0% at 212°F (100°C)



NTC Interchangeable Type TK95 dimensions

Ordering Information

Select appropriate part number below for resistance and temperature tolerance desired.

$R_{25°C}$	Material System	32°F to 158°F (0°C to 70°C) ±0.18°F (±0.1°C)	32°F to 158°F (0°C to 70°C) ±0.36°F (±0.2°C)
2000	F	TK95F202V	TK95F202W
2252	F	TK95F232V	TK95F232W
3000	F	TK95F302V	TK95F302W
5000	F	TK95F502V	TK95F502W
10000	F	TK95F103V	TK95F103W
10000	Y	TK95Y103V	TK95Y103W
30000	H	TK95H303V	TK95H303W
50000	G	TK95G503V	TK95G503W
100000	G	TK95G104V	TK95G104W

Note:

For RoHS compliant product, please add the suffix “N” to the part label. *Example: TK95F103VN*

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