

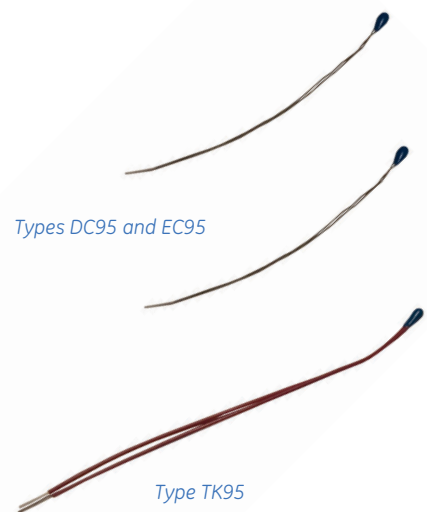
## Features

- Precision, solid state temperature sensor
- Interchangeability down to  $\pm 0.18^{\circ}\text{F}$  ( $\pm 0.1^{\circ}\text{C}$ )
- Suitable for use over a range of  $-112^{\circ}\text{F}$  to  $302^{\circ}\text{F}$  ( $-80^{\circ}\text{C}$  to  $150^{\circ}\text{C}$ )
- High sensitivity, greater than  $-4\%/^{\circ}\text{C}$  at  $77^{\circ}\text{F}$  ( $25^{\circ}\text{C}$ )
- 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
- For DC95: .012 in (0.3mm) diameter bare tinned-copper lead wires
- For EC95: .008 in (0.2mm) diameter bare tinned-alloy lead wires
- For TK95: .010 in (.25mm) diameter PTFE insulated lead wires

# NTC Interchangeable Type 95 Series

## Thermometrics Thermistors

NTC Interchangeable Type 95 Series are Thermometrics products. Thermometrics has joined other GE high-technology sensing businesses under a new name—GE Industrial, Sensing.



# Type DC95 Specifications

## NTC Interchangeable Thermistor Chip

Epoxy-coated, NTC interchangeable thermistor chips with bare tinned-copper lead wires.

## Options

### Consult Factory for Availability of Options

- Other resistance values in the range of 1000  $\Omega$  to 100 k $\Omega$
- 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 mW/°C

Stirred oil: 8 mW/°C

### Thermal Time Constant

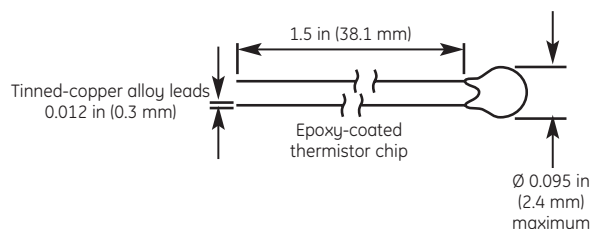
Still air: 10 seconds

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 DC95 dimensions

## Ordering Information

Select appropriate part number below for resistance and temperature tolerance desired

R <sub>25°C</sub>	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)	32°F to 212°F (0 to 100°C) ±0.36°F (±0.2°C)
2000	F	DC95F202V	DC95F202W	DC95F202Z
2252	F	DC95F232V	DC95F232W	DC95F232Z
3000	F	DC95F302V	DC95F302W	DC95F302Z
5000	F	DC95F502V	DC95F502W	DC95F502Z
10000	F	DC95F103V	DC95F103W	DC95F103Z
10000	Y	DC95Y103V	DC95Y103W	DC95Y103Z
30000	H	DC95H303V	DC95H303W	DC95H303Z
50000	G	DC95G503V	DC95G503W	DC95G503Z
100000	Y	DC95Y104V	DC95Y104W	DC95Y104Z
100000	G	DC95G104V	DC95G104W	DC95G104Z