



# NTC THERMISTORS: TYPE DC95

## INTERCHANGEABLE CHIP THERMISTOR

### DESCRIPTION:

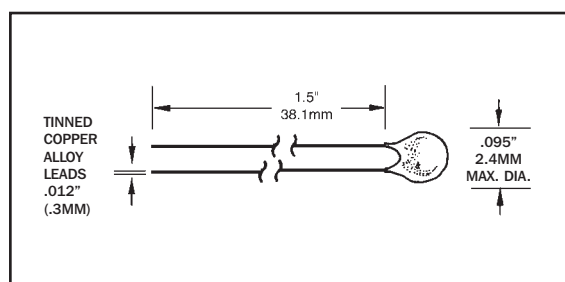
Epoxy coated interchangeable chip thermistors with bare tinned copper lead-wires.

### FEATURES:

- Precision, solid state temperature sensor
- Interchangeability down to  $\pm 0.1^\circ\text{C}$
- Suitable for use over the range of  $-80^\circ\text{C}$  to  $150^\circ\text{C}$
- High sensitivity greater than  $-4\%/^\circ\text{C}$  at  $25^\circ\text{C}$
- Suitable for temperature measurement, control and compensation
- High reliability and stability over interchangeable range
- Most popular R-vs-T curves are available
- Resin coated for good mechanical strength and resistance to solvents
- .012" (.3 mm) dia. bare tinned copper lead-wires



### DIMENSIONS:



Select appropriate part number below for resistance and temperature tolerance desired

R <sub>25°C</sub>	MATERIAL SYSTEM	$\pm .1^\circ\text{C}$ 0°C to 70°C	$\pm .2^\circ\text{C}$ 0°C to 70°C	$\pm .2^\circ\text{C}$ 0°C to 100°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

### OPTIONS:

Consult factory for availability of options:

- Other resistance values in the range of 100Ω - 100kΩ
- Other tolerances or ranges
- Alternative lead-wires or lengths
- Non standard R-vs-T curves
- Controlled dimensions

### DATA:

#### THERMAL AND ELECTRICAL PROPERTIES:

**Dissipation constant:**.....(still air) 1 mW/°C  
 (stirred oil) 8 mW/°C

**Thermal time constant:**.....(still air) 10 sec.  
 (stirred oil) 1 sec.

**Maximum power at 25°C** .....75mW  
 (derated from 100% at 25°C to 0% at 100°C)

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