



# NTC THERMISTORS: TYPE EC95

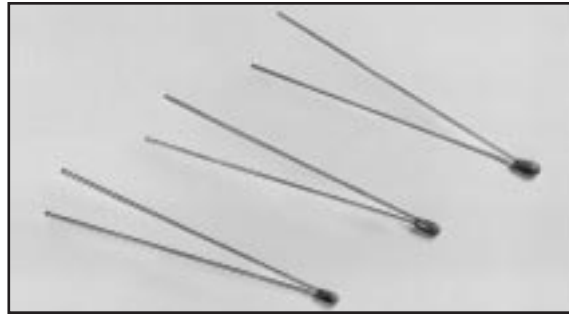
## INTERCHANGEABLE CHIP THERMISTOR

### DESCRIPTION:

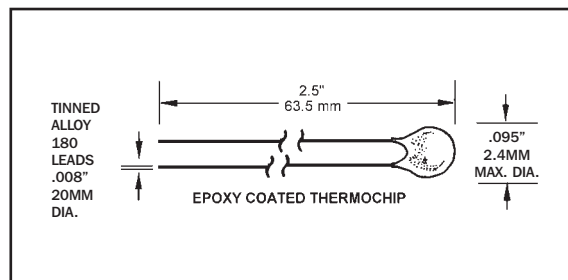
Epoxy Coated interchangeable chip thermistors with bare tinned 180 alloy lead-wires.

### FEATURES:

- Precision, solid state temperature sensor
- Interchangeability down to  $\pm 0.1^\circ\text{C}$
- Suitable for use over 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
- .008" (.2 mm) dia. bare tinned 180 alloy lead-wires



### DIMENSIONS:



Select appropriate part number below for resistance and temperature tolerance desired

R <sub>25°C</sub>	MATERIAL SYSTEM	$\pm .2^\circ\text{C}$ -20°C to +50°C	$\pm .1^\circ\text{C}$ 0°C to 70°C	$\pm .2^\circ\text{C}$ 0°C to 70°C
100	Q	EC95Q101U		
300	Q	EC95Q301U		
1000	R	EC95R102U		EC95R102W
1000	S	EC95S102U		EC95S102W
2252	F	EC95F232U	EC95F232V	EC95F232W
3000	F	EC95F302U	EC95F302V	EC95F302W
5000	F	EC95F502U	EC95F502V	EC95F502W
10000	F	EC95F103U	EC95F103V	EC95F103W
10000	Y	EC95Y103U	EC95Y103V	EC95Y103W
30000	H	EC95H303U	EC95H303V	EC95H303W
50000	G	EC95G503U	EC95G503V	EC95G503W
100000	G		EC95G104V	EC95G104W

### OPTIONS:

Consult factory for availability of options:

- Other resistance values in the range of  $100\Omega$  -  $100k\Omega$
- 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/ $^\circ\text{C}$   
(stirred oil) 8 mW/ $^\circ\text{C}$

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

**Maximum power at 25°C** .....75mW  
(derated from 100% at  $25^\circ\text{C}$  to 0% at  $100^\circ\text{C}$ )