



NTC THERMISTORS: TYPE C100

EPOXY COATED CHIP THERMISTOR

DESCRIPTION:

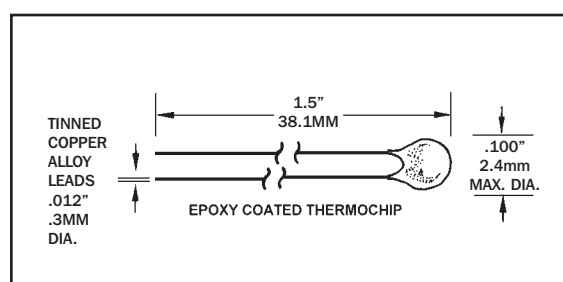
Epoxy Coated chip thermistors with bare tinned copper lead-wires.

FEATURES:

- Low cost, solid state temperature sensor
- Point matched at 25°C to $\pm 1\%$, $\pm 2\%$, $\pm 5\%$ or $\pm 10\%$
- Suitable for use over range of -80°C to $+150^{\circ}\text{C}$
- High sensitivity greater than $-4\%/^{\circ}\text{C}$ at 25°C
- Suitable for temperature measurement, control and compensation
- High reliability and stability
- 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 _{25°C}	MATERIAL SYSTEM	R _{25°C} $\pm 1\%$	R _{25°C} $\pm 2\%$	R _{25°C} $\pm 5\%$	R _{25°C} $\pm 10\%$
2000	F	C100F202F	C100F202G	C100F202J	C100F202K
2252	F	C100F232F	C100F232G	C100F232J	C100F232K
3000	F	C100F302F	C100F302G	C100F302J	C100F302K
5000	F	C100F502F	C100F502G	C100F502J	C100F502K
10000	F	C100F103F	C100F103G	C100F103J	C100F103K
10000	Y	C100Y103F	C100Y103G	C100Y103J	C100Y103K
15000	F	C100F153F	C100F153G	C100F153J	C100F153K
20000	F	C100F203F	C100F203G	C100F203J	C100F203K
30000	H	C100H303F	C100H303G	C100H303J	C100H303K
50000	G	C100G503F	C100G503G	C100G503J	C100G503K
100000	Y	C100Y104F	C100Y104G	C100Y104J	C100Y104K
100000	G	C100G104F	C100G104G	C100G104J	C100G104K

OPTIONS:

Consult factory for availability of options:

- Other resistance values in the range of 100 Ω - 100k Ω
- Other tolerances
- Alternative lead lengths
- Other reference temperatures
- Alternative lead wires or lengths

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°C75mW
(derated from 100% at 25°C to 0% at 100°C)