



NTC THERMISTORS: TYPE SC30

INSULATED LEAD INTERCHANGEABLE CHIP THERMISTOR

DESCRIPTION:

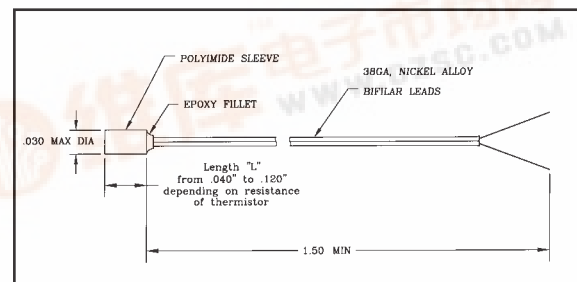
Sleeved interchangeable chip thermistors with heavy isomid insulated Nickel lead-wires.

FEATURES:

- Precision, solid state temperature sensor
- Epoxy filled sleeve for controlled diameter
- Interchangeability down to $\pm 0.1^\circ\text{C}$
- Suitable for use over the range of -40°C to $+105^\circ\text{C}$
- Small size, fast response
- High sensitivity greater than $-4\%/^\circ\text{C}$ at 25°C
- Suitable for temperature measurement, control and compensation
- High reliability and stability over interchangeable range
- Ideal for Medical applications
- Most popular R-vs-T curves are available
- Fully insulated
- Sleeved for good mechanical strength and resistance to solvents
- .004" (.1 mm) dia. heavy isomid insulated Bifilar Nickel lead-wires



DIMENSIONS:



Select appropriate part number below for resistance and temperature tolerance desired

R _{25°C}	MATERIAL SYSTEM	$\pm .1^\circ\text{C}$ 0°C to 70°C	$\pm .2^\circ\text{C}$ 0°C to 70°C
2252	F	SC30F232V	SC30F232W
3000	F	SC30F302V	SC30F302W
5000	F	SC30F502V	SC30F502W
10000	F	SC30F103V	SC30F103W
10000	Y	SC30Y103V	SC30Y103W
30000	H	SC30H303V	SC30H303W
50000	G	SC30G503V	SC30Y503W
100000	Y	SC30Y104V	SC30Y104W
100000	G	SC30G104V	SC30G104W

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) .4 mW/°C
(stirred oil) 3 mW/°C

Thermal time constant:.....(still air) 5 sec.
(stirred oil) .3 sec.

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