

- -200°C -300°C Operating Temperature
- 1,000 Ohm @ 0°C, Class A , ± 0.15%
- 0.00385 Ohms/Ohms/°C
- 0.4K/mW at 0°C
- 316 Stainless Steel Probe
- 1,000 Meg-Ohms Isolation at 500V
- Media – Liquid, Air, & Gas

**DESCRIPTION**

The ATS50 RTD sensor is designed for high temperature, harsh environments. The 316 stainless steel housing is impervious to most chemicals. The 22 AWG PTFE wire is encapsulated in a shielded, PTFE outer layer. The wires are terminated with a ground lug and a boot for a Kemlon pin.

**APPLICATIONS**

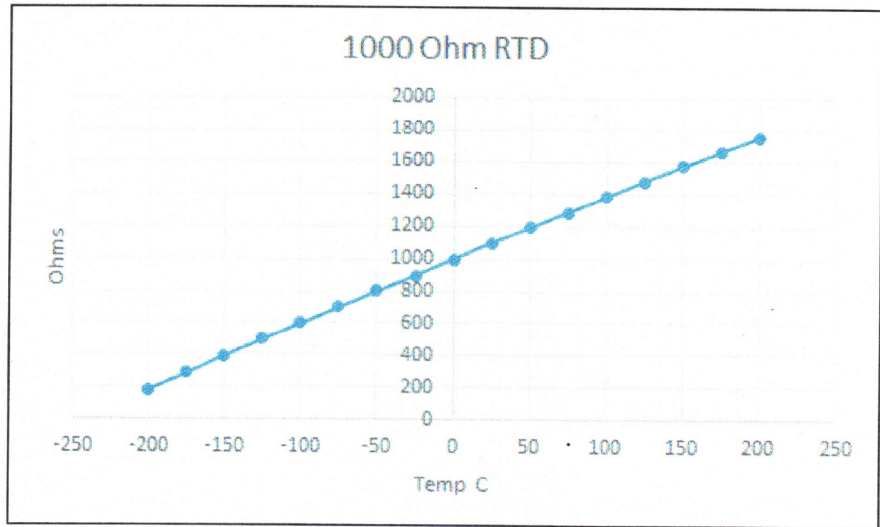
- Industrial Automation
- HVAC
- Semiconductor
- Commercial Ovens
- Engine Controls

**Maximum Environmental Ratings**

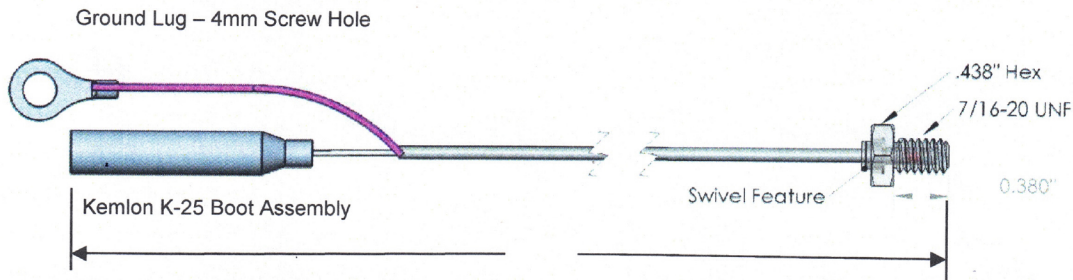
Operating Temperature ..... -200°C to 300°C      Storage Temperature Range ..... -225°C to 325°C

## Resistance vs Temperature Chart

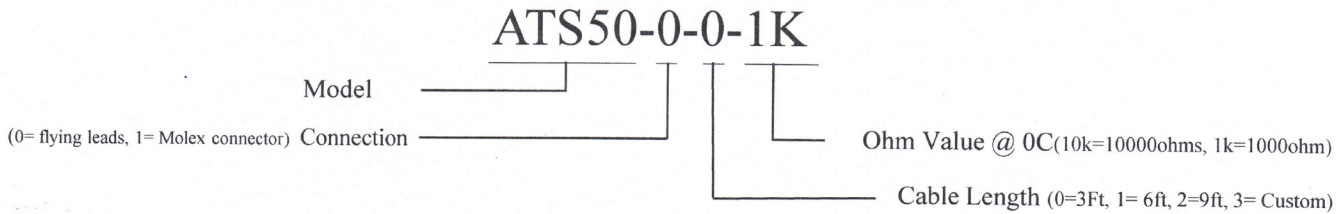
Temp C	Ohms
-200	185
-175	292
-150	397
-125	500
-100	602
-75	703
-50	803
-25	901
0	1000
25	1097
50	1193
75	1289
100	1385
125	1479
150	1573
175	1666
200	1758



## Mechanical Dimensions (inches)



## Part Number Configuration



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