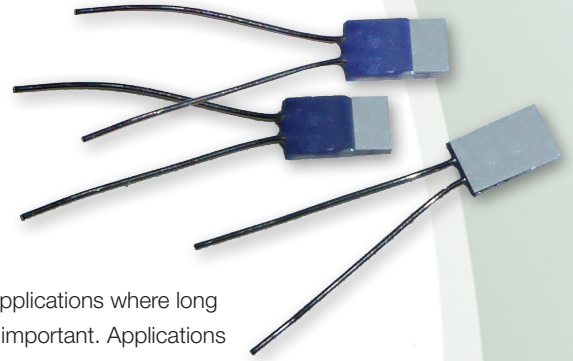


ERTD Temperature Sensor



Cryo temperature platinum RTD sensor

- Temperature range -196 to +150°C
- PT1000 nominal resistance values at 0°C
- Tolerance Class B
- Small package size
- Higher temperature ranges available

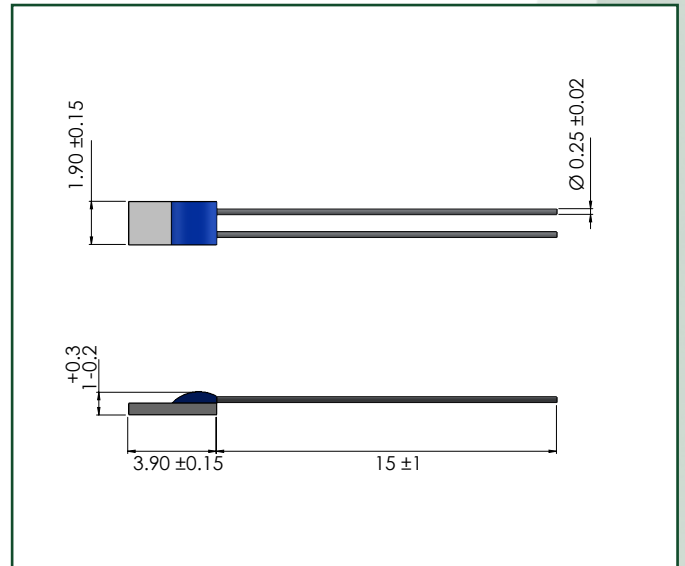


Variohm ERTD series Thin Film Platinum Elements are durable and designed for applications where long term stability, interchangeability and accuracy over a large temperature range are important. Applications include medical, industrial and HVACR. Nickel Thin Film Elements are also available as part of the RTD range.

Technical information

Specification	DIN EN 60751 (according to IEC 751)
Temperature range	Tolerance Class B: -196°C to +150°C
Temperature coefficient	TC = 3850 ppm/K ; 3750 ppm/K available on request
Long-term stability	0.03% after 1000h @ 150°C
Vibration resistance	At least 40g acceleration at 10 to 2000 Hz, depends on installation
Shock resistance	At least 100g acceleration with 8ms half sine wave, depends on installation
Insulation resistance	>100MΩ at 150°C
Self heating	0.3 K/mW at 0°C
Environmental conditions	Unhoused for dry environments only
Note	Other tolerances, values of resistance and wire lengths are available on request.

Typical dimensions in mm



Ordering Information

(Please use the characters in the chart below to construct your product code)

Sample Code: **ERTD-C - PT - 1000 - B - 3850**

Series	Platinum or Nickel	Resistance at 0°C	Tolerance Class	Thermal Coefficient (ppm/K)
ERTD-C	PT = Platinum NI = Nickel	1000 = 1 kΩ	B = Class B	3850