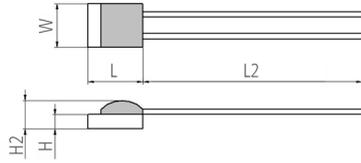


Variohm ERTD2 series ThinFilm Platinum Elements are durable and designed for applications where long term stability, interchangeability and accuracy over a large temperature range are important. Applications include automotive, white goods, HVACR, energy management, medical and industrial.

Specification	DIN EN 60751 (according to IEC 751)		
Temperature range	-200° C to +300° C		
Nominal resistance	100 Ω at 0° C 1000 Ω at 0° C		
Long-term stability	< 0.04% at 1000 h at maximal operating temperature		
Tolerance class	Class A IEC 60751 F0.15 Class B IEC 60751 F0.30	± deviations in °C 0.15 + 0.002 x T 0.30 + 0.005 x T	Temperature range of validity in °C -30 to +300 -50 to +300
Accuracy at -200°C	typical 0 > DT > -700 mK		
Dimensions	2 x 2 x 1.3 mm		
Contacts	Nickel wire gold coated, Ø 0.2 mm, 10 mm long		
Recommended applied current (self heating must be considered)	1 mA at 100 Ω 0.3 mA at 1000 Ω		
Environmental conditions	Unhoused for dry environments only		
Note	Other tolerances, values of resistance and wire lengths are available on request.		



Typical dimensions in mm



$L \times W \times H / H2; L2$ [mm]

Ni-wire Au-coated, $\varnothing 0.2$

Ordering Informationen

Sample Code ERTD2 - PT - 100 - A - 3850

Material

PT Platinum

Resistance at 0°C

100 100 Ω

1000 1 k Ω

Tolerance Class

A Class A

B Class B

Thermal Coefficient (ppm/K)

3850