



- ▶ **PT ThinFilm Measuring Resistor**
- ▶ **PT100 or PT1000**
- ▶ **Excellent long-term stability, RoHS compliant**
- ▶ **Low self-heating**
- ▶ **Temperature Range -200° C to +300° C**
- ▶ **Tolerance Classes A (F0.15) or B(F0.3) available**
- ▶ **Small package size 2 x 2 x 1.3 mm**

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.		

