



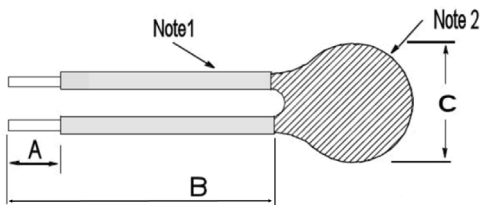
- **PT ThinFilm Measuring Resistor**
- **PT100 or PT1000**
- **Excellent long-term stability, RoHS compliant**
- **Low self-heating**
- **Temperature Range -50° C to +150° C**
- **Tolerance Classes A (F0.15) or B(F0.3) available**
- **Small package size 2,4 x 6 mm**

Limator LTS1 series thin film Platinum RTD elements allow with their already insulated wires and Epoxy coated housing an easy integration. Applications include medical device manufacturing, sensors and instrumentation.

Specification	DIN EN 60751 (according to IEC 751)		
Temperature range	-50 °C to +150 °C		
Nominal resistance	100 Ω at 0 °C 1000 Ω at 0 °C		
Long-term stability	< 0.04% at 1000 h at 130 °C		
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 +150 -50 to +150
Response time in still liquid	t ₉₀ < 9 s t ₆₅ < 3 s		
Temperature coefficient	3850 ppm/K		
Dimensions	2,4 x 6 mm		
Contacts	AWG28 silver-plated copper wire with PTFE insulation		
Insulation resistance	> 5 MΩ at 750 VDC		
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



Dimension A	5 mm ± 1 mm
Dimension B	Wire length per order code ± 10 mm
Dimension C	Max. 2,4 mm
Note 1	AWG28 silver-plated copper wire with white PTFE insulation
Note 2	PU resin

Ordering information

Sample Code LTS1 - PT - 100 - B - 25

Material

PT Platinum

Resistance at 0°C

100 100 Ω

1000 1 kΩ

Tolerance Class

A IEC 60751 F0.15 / Class A

B IEC 60751 F0.30 / Class B

Length of wire (in cm)

25 25 cm (Standard)

10 - 100 cm

Includes 5 mm stripped ends

Stockmodels

LTS1-PT100B-25

LTS1-PT1000A-25