PLATINUM THIN FILM ELEMENTS

Temperature sensors are one of the most widely applied technological measurements in the world. As technology advances and industrial processes become more complex, devices continue to require a higher level of accuracy in temperature sensing across multiple industries. TE Connectivity's (TE) RTD platinum thin film elements provide high accuracy and stability, with a competitive selection of sizes and standard values to meet this growing industry demand. Our decades of industry experience coupled with our custom packaging capabilities, enables us to provide critical temperature sensing solutions easily designed into a variety of applications.

- APPLIANCES
- AUTOMOTIVE
- HVACR
- INDUSTRIAL
- MEDICAL

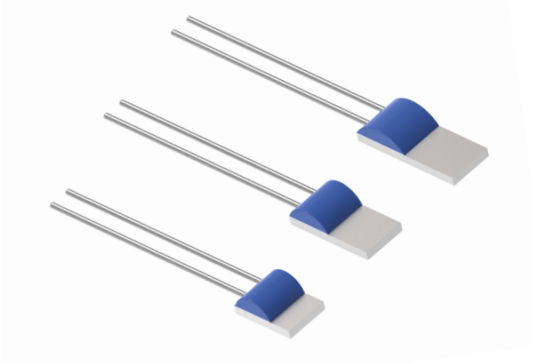
DESIGN QUESTIONS

- What is the application?
- What is the temperature range required?
- What is the accuracy required over the range?
- What size is required?
- What resistance value and curve do you require?
- Are there specific stability requirements?
- What are the connection technologies for your application?
- What is the desired response time?

LEARN MORE

PLATINUM THIN FILM ELEMENTS

Sensor Family	Element Type	Outline Dimensions	Nominal Resistance 100 Ω	Nominal Resistance 100 Ω	Tolerance Class DIN EN 60751			Connection Wire Ag Wire	Connection Wire Ni/Au Wire
PTF	C	2.0 x 2.3	101	102	T	A	B	1A0	1G0
PTF	D	2.0 x 5.0	101	102	T	A	B	1A0	1G0
PTF	F	2.0 x 4.0	101	102	T	A	B	1A0	1G0
PTF	M	1.2 x 4.0	101	102	T	A	B	1A0	1G0



Part Number	Type	Description
NB-PTCO-160	PTFC101B1A0	Pt100, 2.0 x 2.3, Class B, Ag-wire
NB-PTCO-157	PTFC102B1A0	Pt1000, 2.0 x 2.3, Class B, Ag-wire
NB-PTCO-002	PTFC101B1G0	Pt100, 2.0 x 2.3, Class B, Au-coated Ni-wire
NB-PTCO-006	PTFC102B1G0	Pt1000, 2.0 x 2.3, Class B, Au-coated Ni-wire
NB-PTCO-186	PTFM101B1A0	Pt100, 1.2 x 4.0, Class B, Ag-wire
NB-PTCO-191	PTFM102B1A0	Pt1000, 1.2 x 4.0, Class B, Ag-wire
NB-PTCO-032	PTFM101B1G0	Pt100, 1.2 x 4.0, Class B, Au-coated Ni-wire
NB-PTCO-012	PTFM102B1G0	Pt1000, 1.2 x 4.0, Class B, Au-coated Ni-wire
NB-PTCO-053	PTFD101B1A0	Pt100, 2.0 x 5.0, Class B, Ag-wire
NB-PTCO-035	PTFD102B1A0	Pt1000, 2.0 x 5.0, Class B, Ag-wire
NB-PTCO-024	PTFD101B1G0	Pt100, 2.0 x 5.0, Class B, Au-coated Ni-wire
NB-PTCO-126	PTFD102B1G0	Pt1000, 2.0 x 5.0, Class B, Au-coated Ni-wire
NB-PTCO-011 (Class A)	PTFC101A1G0	Pt100, 2.0 x 2.3, Class A, Au-coated Ni-wire
NB-PTCO-029 (Class A)	PTFC102A1G0	Pt1000, 2.0 x 2.3, Class A, Au-coated Ni-wire

Highly Accurate and Stable

- Accurate, stable measurement in extreme environments
- Accuracy ranges from ±0.1K to ±0.6K at 0°C
- Rugged construction that minimizes field failures

Wide Operating Temperature Range

- Provide stability at high temperatures with low drift over lifetime
- Engineered to withstand temperatures from -200°C to +600°C

Compact Design

- Small outline and low mass
- Fast response time with different accuracy classes available per DIN EN 60751

te.com/sensors

TE-SEN-TE510