



Sensors > Temperature Sensors > RTD Sensors > RTD Sensor Elements



RTD Element Type: **Platinum Thin Film Temperature Element**

Tolerance Class: **Class B / F0.3**

Element Type: **Ceramic**

Element Material: **Platinum**

Lead Wire Style: **Ag**

Features

Product Type Features

Wire/Cladding Type	Ag
RTD Element Type	Platinum Thin Film Temperature Element
Element Type	Ceramic
Element Material	Platinum
Lead Wire Style	Ag

Configuration Features

Electrical Connection	Open Ends
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Mechanical Attachment

Wire Length	10 mm[.393 in]
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Dimensions

Body Width	2 mm[.078 in]
Body Length	5 mm[.197 in]
Body Height	1.1 mm[.043 in]
Wire Diameter	.3 mm[.011 in]

Usage Conditions

T1 and T2 for TCR	0 and +100 °C
Operating Temperature Range	-50 – 300 °C[-58 – 572 °F]
Accuracy (at T_ref)	± .3 °C



TCR at (T1 and T2)	3850 ppm/°C
Operating Temperature (Max)	300 °C[572 °F]

Other

Wire Count	2
Tolerance Class	Class B / F0.3

Product Compliance

For compliance documentation, visit the product page on TE.com>

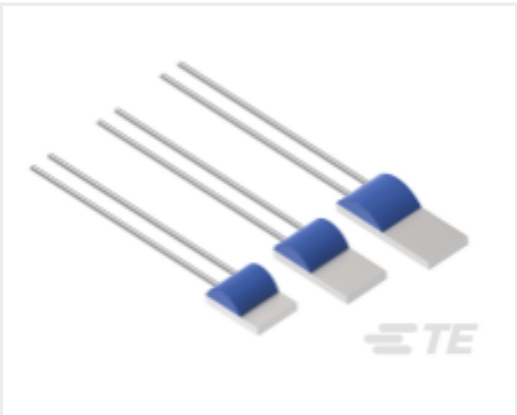
EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



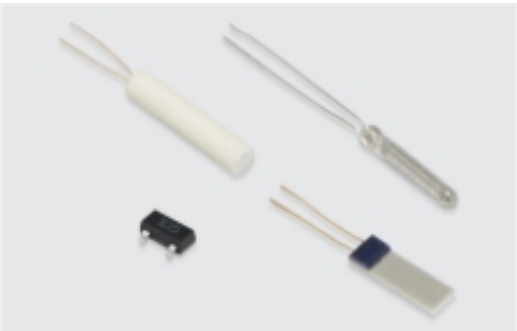


TE Part # CAT-RTD0046
Pt100 RTD Thin Film Element



TE Part # NB-PTCO-029
Pt1000, 2.0x2.3, Class A, PTFC102A1G0

Also in the Series | MEAS PTF



RTD Sensor Elements(53)

Customers Also Bought



TE Part #800047-SF
FN2010-16-06



TE Part #T4141012031-000
M12,REAR MOUNTING,FEMALE,A CODE,3P



TE Part #T4062123004-004
RPC-M8-4MS-3.0SH-M8-4FS-PUR



TE Part #2-1614352-8
RN 0603 24R9 0.1% 10PPM CUT LENGTH



TE Part #2-1676481-3
CPF 0603 43R 0.1% 25PPM 1K RL



TE Part #1879022-1
SMF3 330R 5%



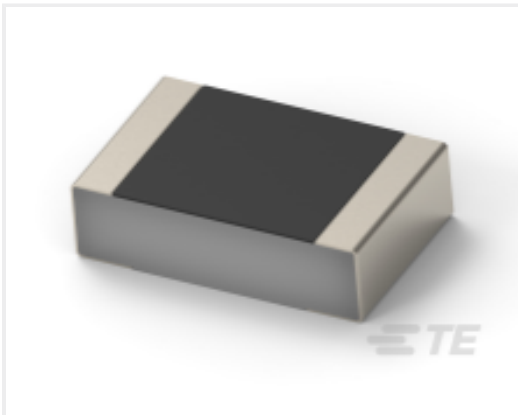
TE Part #1-2176057-9
RLP73N 3A R056 1% 1K RL



TE Part #9-2176231-8
3522 110K 1% 3W



TE Part #2176381-5
RQ 0805 13K7 0.1% 10PPM 5K RL



TE Part #9-2176453-6
CPF 0201 56K2 0.1% 25ppm 1K RL



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_NB-PTCO-035_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-035_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-035_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

Datasheet PTF-Family PTFC,PTFD,PTFF,PTFM

English