



Sensors > Temperature Sensors > RTD Sensors > RTD Sensor Elements > Pt1000 RTD Thin Film Element



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

Tolerance Class: **Class A / F0.15**

Element Type: **Ceramic**

Element Material: **Platinum**

Lead Wire Style: **Ag**

[All Pt1000 RTD Thin Film Element \(27\)](#)

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 |
|-----------------------|-----------|

Mechanical Attachment

| | |
|-------------|----------------|
| Wire Length | 10 mm[.393 in] |
|-------------|----------------|

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 | -30 – 300 °C[-22 – 572 °F] |
| Accuracy (at T_ref) | ± .15 °C |
| TCR at (T1 and T2) | 3850 ppm/°C |
| Operating Temperature (Max) | 300 °C[572 °F] |

Other

| | |
|-----------------|-----------------|
| Wire Count | 2 |
| Tolerance Class | Class A / F0.15 |

Product Compliance

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

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Not Yet Reviewed |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 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>

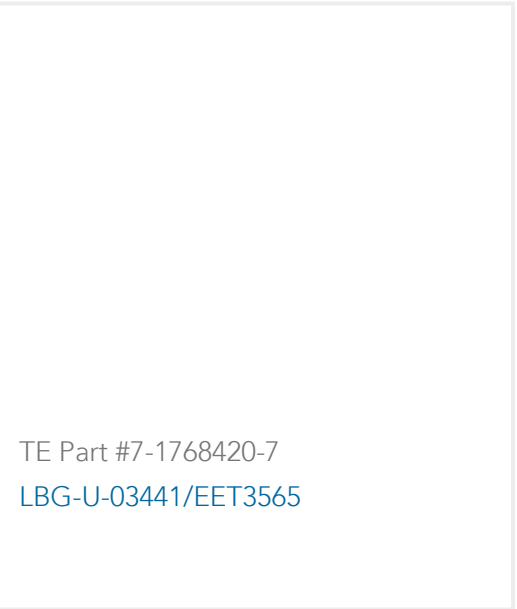
Compatible Parts



Also in the Series | MEAS PTF



Customers Also Bought





Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_NB-PTCO-170_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-170_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-170_A.3d_stp.zip

English

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Datasheets & Catalog Pages

Datasheet PTF-Family PTFC,PTFD,PTFF,PTFM

English