# NB-PTCO-168 ✔ ACTIVE

MEAS | MEAS PTF

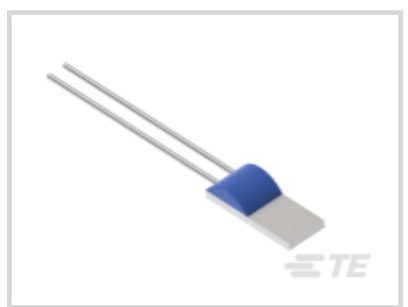
TE Internal #: NB-PTCO-168

TE Internal Description: Pt1000, 2.0x5.0, Class A, PTFD102A1G0

Pt1000 RTD Thin Film Element

View on TE.com >

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: **Ni/Au**

All Pt1000 RTD Thin Film Element (27)

## Features

### Product Type Features

| | |
|---|---|
| Wire/Cladding Type | Ni/Au |
| RTD Element Type | Platinum Thin Film Temperature Element |
| Element Type | Ceramic |
| Element Material | Platinum |
| Lead Wire Style | Ni/Au |

### Configuration Features

| | |
|---|---|
| Electrical Connection | Open Ends |

### Mechanical Attachment

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

### Dimensions

| | |
|---|---|
| Body Width | 2 mm[.078 in] |
| Wire Diameter | .25 mm[.009 in] |
| Body Height | 1.1 mm[.043 in] |
| Body Length | 5 mm[.197 in] |

### Usage Conditions

| | |
|---|---|
| T1 and T2 for TCR | 0 and +100 °C |

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

### Other

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

## Product Compliance

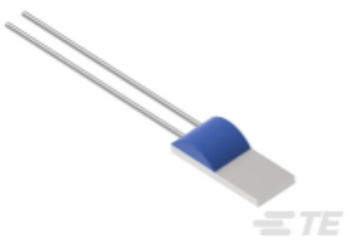
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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 |

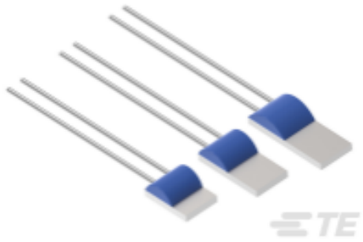
Product Compliance Disclaimer

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



TE Part # NB-PTCO-170
Pt1000, 2.0x5.0, Class A, PTFD102A1A0



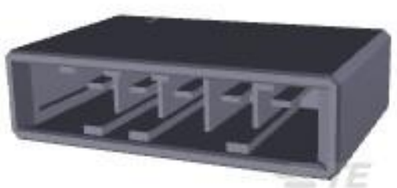
TE Part # CAT-RTD0046
Pt100 RTD Thin Film Element

## Also in the Series | MEAS PTF



RTD Sensor Elements(53)

## Customers Also Bought



TE Part #1-316132-2
DYNAMIC D-3200 HDR ASSY 5P V



TE Part #T4062124003-005
RPC-M8-3MS-5.0SH-M8-3FR-PUR



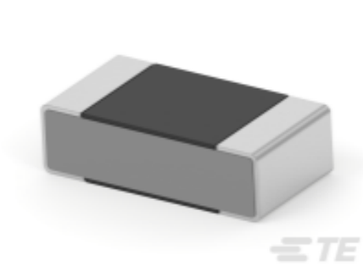
TE Part #7-1676481-2
CPF 0603 6K2 0.1% 25PPM 1K RL



TE Part #3-1879134-3
RN 0603 21K5 0.1% 10PPM 1K RL



TE Part #9-1415047-1
RTHH4024



TE Part #7-1879417-0
CPF0603 634K 0.1% 25PPM 1K RL



TE Part #HSA002N00590100000
723 HTEC PLUG, SPEEDTEC

TE Part #11021230-00
GLS9-AXIAL GLASS SUB

## Documents

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_NB-PTCO-168_A.2d_dxf.zip

English

## Customer View Model

ENG_CVM_CVM_NB-PTCO-168_A.3d_igs.zip

English

## Customer View Model

ENG_CVM_CVM_NB-PTCO-168_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

# Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

## TE Connectivity:

1-794222-0 1903112-2 1969656-1 2380312-2 936348-1 CRGCQ2010J3K3 2377783-2 917696-1 RH73H2A40MKTN 1-962915-1 175977-2 2834055-1 SBCHE154R7K 1393431-1 1743455-2 MPT100C18RF TE50BR39J 141991-2 2005330-1 3-1393225-0 3430B2F51RTDF CPF0402B37K4E1 SMW73R0JT U5254-000005-030PA ROX05SJ18R 2-292161-3 2310537-1 3631B101LL 650075-000 SBCHE64R7K