



Sensors > Temperature Sensors > RTD Sensors > RTD Sensor Elements



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

Tolerance Class: **Class C / F0.6**

Element Type: **Ceramic**

Element Material: **Platinum**

Lead Wire Style: **Ni/Au**

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 | .4 mm[.015 in] |
| Body Length | 2.3 mm[.09 in] |

Usage Conditions

| | |
|---------------------|---------------|
| T1 and T2 for TCR | 0 and +100 °C |
| TCR at (T1 and T2) | 3850 ppm/°C |
| Accuracy (at T_ref) | ± .6 °C |



Operating Temperature Range -50 – 600 °C[-58 – 1112 °F]

Operating Temperature (Max) 600 °C[1112 °F]

Other

Wire Count 2

Tolerance Class Class C / F0.6

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)
 Candidate List Declared Against: JUNE 2024 (241)
 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

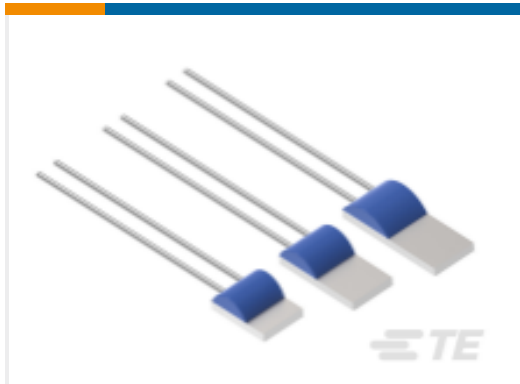
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

Also in the Series | MEAS PTF

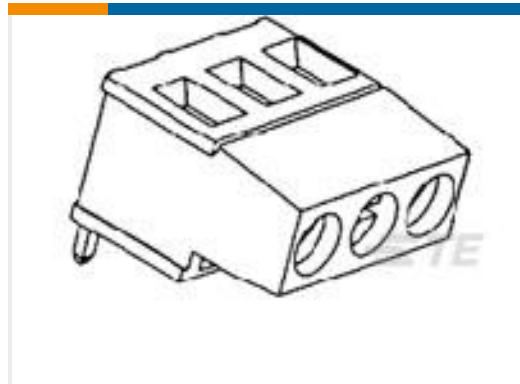


RTD Sensor Elements(53)

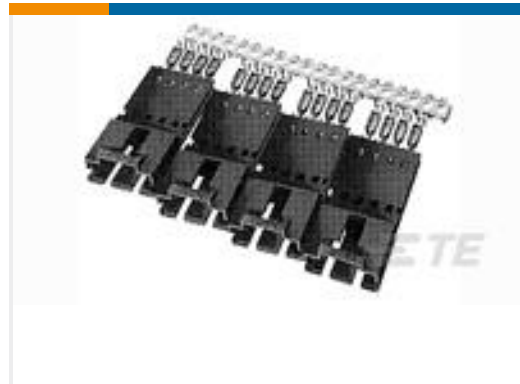
Customers Also Bought



TE Part #NB-PTCO-011
Pt100 RTD Thin Film Element



TE Part #1546073-4
4 POS 5.08MM TERMI-BLOK



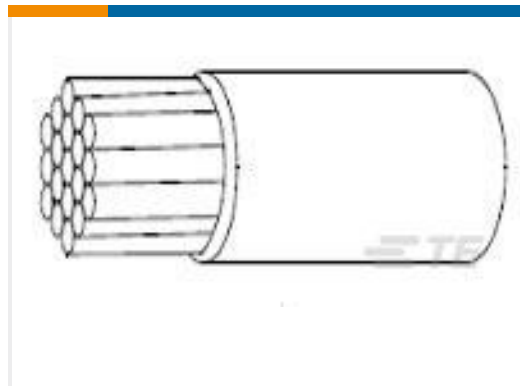
TE Part #5-103946-5
2X6 MTE SHRD PIN SR POL .100CL



TE Part #7391-BCE-T-500-000
500Pa Differential Sensor



TE Part #5510320002
PD-CAP-1/8-0



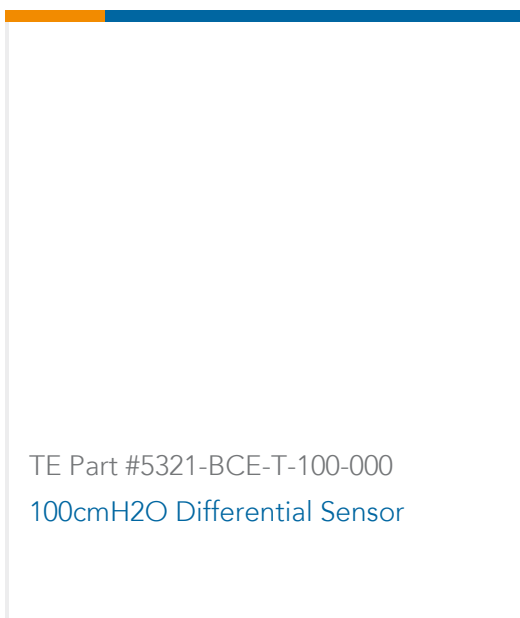
TE Part #216442-000
22759/33-24-6



TE Part #2-2363961-4
0.4mm BTB CONN H0.8 REC
ASSEMBLY, 24P



TE Part #20021523-00
NTC temperature sensor square shape



TE Part #5321-BCE-T-100-000
100cmH2O Differential Sensor

Documents

CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_NB-PTCO-046_A.2d_dxf.zip](#)

[English](#)

[Customer View Model](#)

[ENG_CVM_CVM_NB-PTCO-046_A.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_NB-PTCO-046_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Datasheet PTF-Family PTFC,PTFD,PTFF,PTFM](#)

English