NB-PTCO-188 ✔ ACTIVE

MEAS | MEAS PTF
TE Internal #: NB-PTCO-188
TE Internal Description: Pt100, 1.2x4.0, Class T, PTFM101T1A0
Pt100 RTD Thin Film Element

View on TE.com >

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

Tolerance Class: **Class T (AA) / F0.1**

Element Type: **Ceramic**

Element Material: **Platinum**

Lead Wire Style: **Ag**

All Pt100 RTD Thin Film Element (26)

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	1.2 mm[.047 in]
Body Length	4 mm[.157 in]
Body Height	1.1 mm[.043 in]
Wire Diameter	.25 mm[.009 in]

Usage Conditions

T1 and T2 for TCR	0 and +100 °C

Operating Temperature Range	-30 – 200 °C[-22 – 392 °F]
Accuracy (at T_ref)	± .1 °C
TCR at (T1 and T2)	3850 ppm/°C
Operating Temperature (Max)	200 °C[392 °F]

Other

Wire Count	2
Tolerance Class	Class T (AA) / F0.1

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
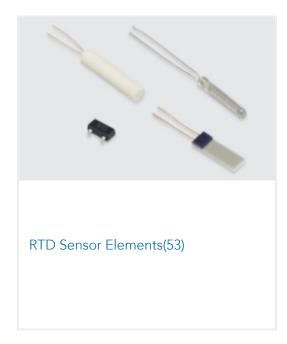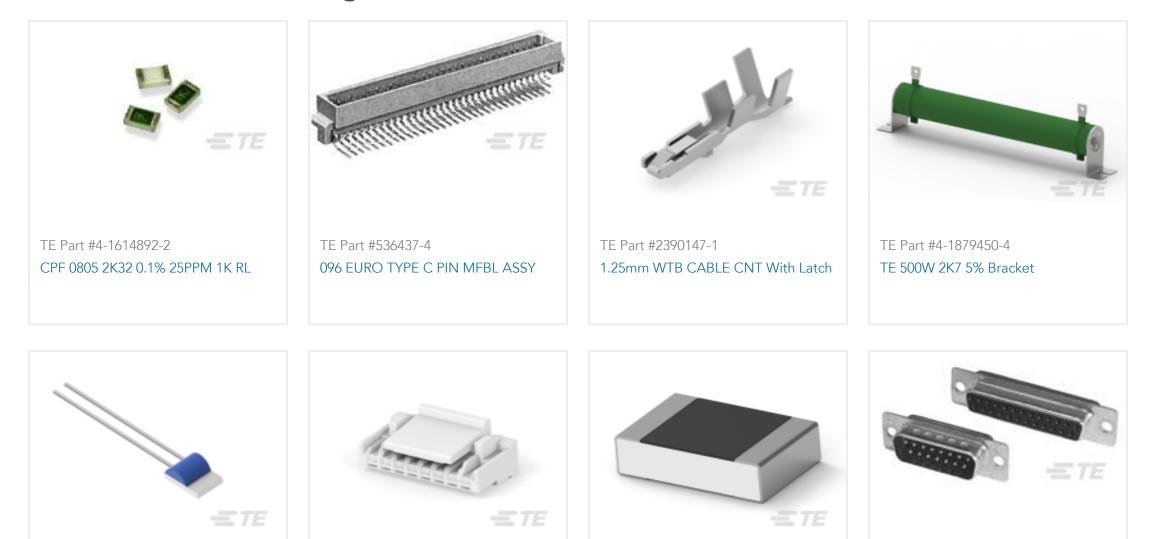
Compatible Parts

TE Part # CAT-RTD0046
Pt100 RTD Thin Film Element

Also in the Series | MEAS PTF

RTD Sensor Elements(53)

Customers Also Bought

TE Part #4-1614892-2
CPF 0805 2K32 0.1% 25PPM 1K RL

TE Part #536437-4
096 EURO TYPE C PIN MFBL ASSY

TE Part #2390147-1
1.25mm WTB CABLE CNT With Latch

TE Part #4-1879450-4
TE 500W 2K7 5% Bracket

TE Part #NB-PTCO-058
Pt100, 2.0x2.3, Class T, PTFC101T1G0

TE Part #2390144-8
1.25P 8POS WTB CABLE HSG NA

TE Part #4-2176373-0
RQ 0805 25R5 0.1% 10PPM 1K RL

TE Part #4-1393483-7
V42254A1115C209=SUB D STIFTLEI

TE Part #3-1393483-8
V42254A1115B209=SUB D FEDERLEI

TE Part #ZPF300000000008916
983-6SE 18-14 PN-L

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_NB-PTCO-188_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-188_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-188_A.3d_stp.zip

English

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Datasheets & Catalog Pages

Datasheet PTF-Family PTFC,PTFD,PTFF,PTFM

English