NB-PTCO-053 ✔ ACTIVE

MEAS | MEAS PTF

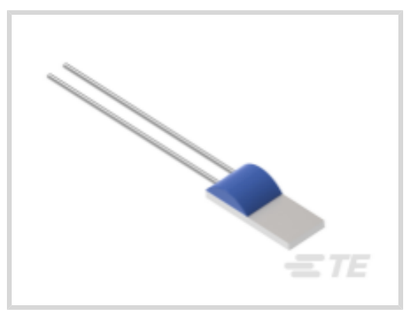
TE Internal #: NB-PTCO-053

TE Internal Description: Pt100, 2.0x5.0, Class B, PTFD101B1A0

Pt100 RTD Thin Film Element

View on TE.com >

Sensors > Temperature Sensors > RTD Sensors > RTD Sensor Elements > Pt100 RTD Thin Film Element



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

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

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	2 mm[.078 in]
Wire Diameter	.3 mm[.011 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)	± .3 °C
Operating Temperature Range	-50 – 300 °C[-58 – 572 °F]
Operating Temperature (Max)	300 °C[572 °F]

Other

Wire Count	2
Tolerance Class	Class B / F0.3

Product Compliance

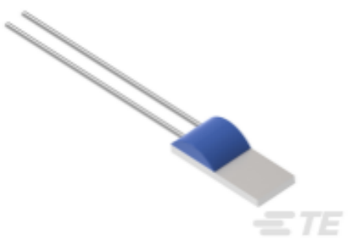
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
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

Compatible Parts



TE Part # NB-PTCO-126
Pt1000, 2.0x5.0, Class B, PTFD102B1G0

Also in the Series | MEAS PTF



RTD Sensor Elements(53)

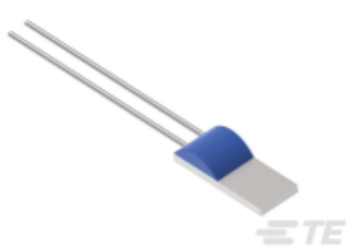
Customers Also Bought



TE Part #89BSD-006BA-A
6 BARA 316L DIGITAL PRESSURE SENSOR



TE Part #5-1676966-5
SMW2 18R 5%



TE Part #NB-PTCO-152
Pt100, 2.0x5.0,Class T, PTFD101T1A0



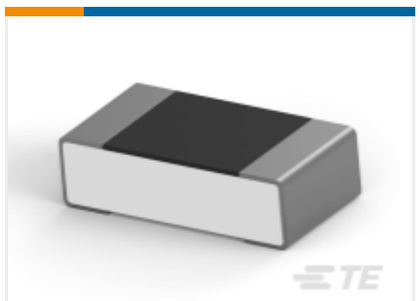
TE Part #5569026-1
MJ,LPF,R/A,6P,HTN



TE Part #2-320561-4
TERMINAL,PIDG R IR 14 6



TE Part #926895-7
UNIVERSAL M-N-L SOCKET



TE Part #8-2176365-8
RQ 0603 324R 0.1% 10PPM 1K RL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_NB-PTCO-053_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-053_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-053_A.3d_stp.zip

English

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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:

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