# 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

RID 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
For compliance documentation, visit the product page on TE.com> EU RoHS Directive 2011/65/EU	
FU RoHS Directive 2011/65/FU	
	Compliant
EU ELV Directive 2000/53/EC	Compliant Not Yet Reviewed
EU ELV Directive 2000/53/EC China RoHS 2 Directive MIIT Order No 32, 2016	
	Not Yet Reviewed

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

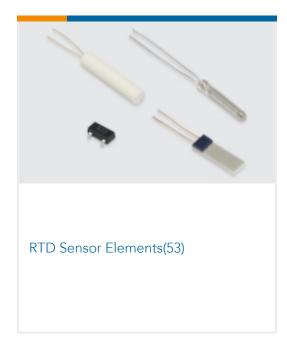
## **Compatible Parts**

Pt100, 2.0x5.0, Class B, PTFD101B1A0

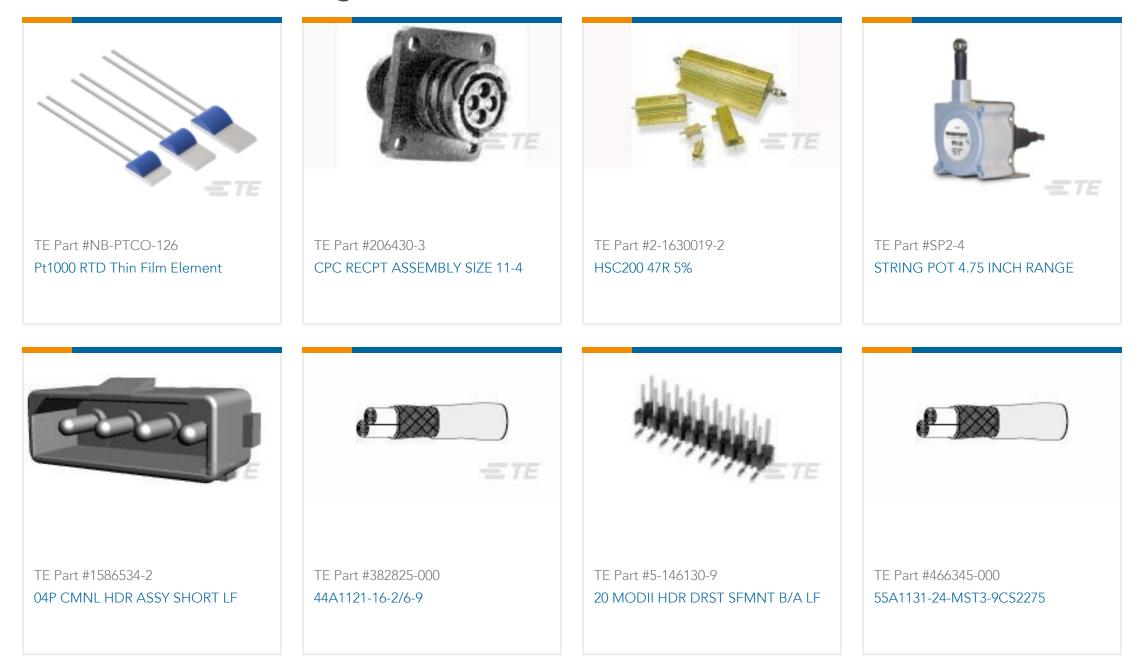




## Also in the Series | MEAS PTF



# Customers Also Bought





NB-PTCO-053

Pt100, 2.0x5.0, Class B, PTFD101B1A0



## 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