NB-PTCO-002 ✔ ACTIVE

MEAS | MEAS PTF

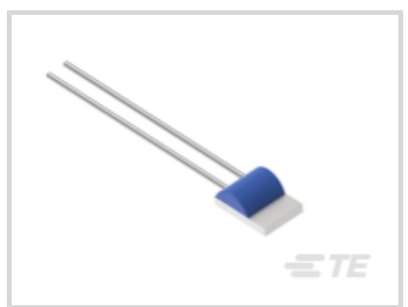
TE Internal #: NB-PTCO-002

TE Internal Description: Pt100, 2.0x2.3, Class B, PTFC101B1G0

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 Package: **Ceramic**

Element Material: **Platinum**

Lead Wire Style: **Ni/Au**

All Pt100 RTD Thin Film Element (27)

Features

Product Type Features

Wire/Cladding Type	Ni/Au
Model Number	PTFC101B1G0
RTD Element Type	Platinum Thin Film Temperature Element
Element Material	Platinum
Lead Wire Style	Ni/Au

Configuration Features

Connector Type	Open Ends

Dimensions

Height (Body)	1.1 mm[.043 in]
Wire Length	10 mm[.393 in]
Wire Diameter	.25 mm[.009 in]
Length (Body)	2.3 mm[.09 in]
Width (Body)	2 mm[.078 in]

Usage Conditions

Resistance (at T_ref)	1000 (0 °C) Ω
T_ref for Accuracy	0 °C

Ambient Temperature Range	-50 – 600 °C[-58 – 1112 °F]
T1 and T2 for TCR	0 and +100 °C
TCR at (T1 and T2)	3850 ppm/°C
Accuracy (at T_ref)	± .3 °C
T_ref for Resistance	0 °C
Maximum Temperature	600 °C[1112 °F]

Packaging Features

Element Package	Ceramic

Other

Tolerance Class	Class B / F0.3
Wire Count	2

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

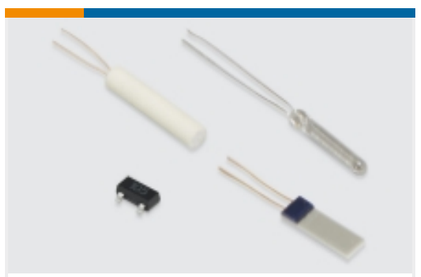
Product Compliance Disclaimer

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

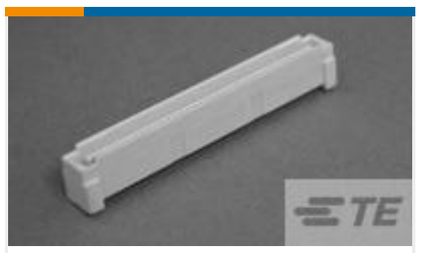
TE Part # 10213359-00
Pt100, 2.0x2.3, Class B, PTFC101BC1G0

Also in the Series | MEAS PTF



RTD Sensor Elements(53)

Customers Also Bought



TE Part #3-5177986-2
0.8FH,P08H.5,060,08/Sn,TR,SC

TE Part #EC0577-000
Z-Type Push-On Markers

TE Part #2-323011-2
TERMINAL,PIDG R SLTD 26-22 6

TE Part #C97376-000
B-155-3813

TE Part #GA250K9A4I
DISC-DISCRETE

TE Part #10210017-00
NTC TEMPERATURE SENSOR

TE Part #10206412-00
THERMOCOUPLE TYPE K

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_NB-PTCO-002_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-002_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-002_1.3d_stp.zip

English

Datasheets & Catalog Pages

Datasheet PTF-Family PTFC,PTFD,PTFF,PTFM

English