NB-PTCO-295 ✓ ACTIVE

MEAS | **MEAS PTF**
TE Internal #: NB-PTCO-295
TE Internal Description: Pt1000, 2.0x2.3, Class B, PTFC102BC1G0
Pt1000 RTD Thin Film Element

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Sensors > Temperature Sensors > RTD Sensors > RTD Sensor Elements > Pt1000 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 Pt1000 RTD Thin Film Element (27)

Features

Product Type Features

Wire/Cladding Type	Ni/Au
Model Number	PTFC102BC1G0
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	-200 – 200 °C[-328 – 392 °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	200 °C[392 °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
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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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-160
Pt100, 2.0x2.3, Class B, PTFC101B1A0

TE Part # NB-PTCO-165
Pt1000, 2.0x2.3, Class T, PTFC102T1A0

Also in the Series | MEAS PTF

RTD Sensor Elements(53)

Customers Also Bought

TE Part #5-917688-1
Glow Wire Signal Double Lock Plug

TE Part #2-1879456-8
TE 2000W 180R 5% Bracket

TE Part #DT15-2P-P010
HDR, 2P, GRY, ST, 5 PSI, NI/CU

TE Part #350986-4
02P UMNL HDR ASSY LNG/TL

TE Part #2203698-1
2P MCON UNSEALED PLUG WIRE
DRESS

TE Part #2203701-3
2POS, MCON 1.2 CB TAB 2p TL
UNSEALED

Documents

CAD Files
3D PDF

3D
Customer View Model
ENG_CVM_CVM_NB-PTCO-295_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-295_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-295_A.3d_stp.zip

English

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Datasheets & Catalog Pages

PTFC102BC1G0

English

Pt1000, 2.0x2.3, Class B, PTFC102BC1G0

English