NB-PTCO-005 ✔ ACTIVE

MEAS | MEAS PTF

TE Internal #: NB-PTCO-005

TE Internal Description: Pt100, 2.0x2.3, Class C, PTFC101C1G0

Pt100 RTD Thin Film Element

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

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

Tolerance Class: **Class C / F0.6**

Element Type: **Ceramic**

Element Material: **Platinum**

Lead Wire Style: **Ni/Au**

All Pt100 RTD Thin Film Element (26)

Features

Product Type Features

Wire/Cladding Type	Ni/Au
RTD Element Type	Platinum Thin Film Temperature Element
Element Type	Ceramic
Element Material	Platinum
Lead Wire Style	Ni/Au

Configuration Features

Electrical Connection	Open Ends

Mechanical Attachment

Wire Length	10 mm[.393 in]

Dimensions

Body Width	2 mm[.078 in]
Body Length	2.3 mm[.09 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	-50 – 600 °C[-58 – 1112 °F]
Accuracy (at T_ref)	± .6 °C
TCR at (T1 and T2)	3850 ppm/°C
Operating Temperature (Max)	600 °C[1112 °F]

Other

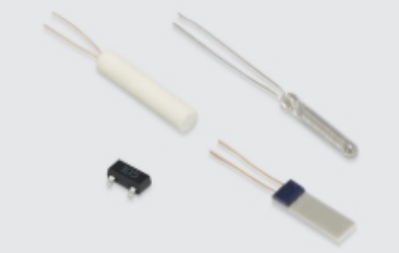
Wire Count	2
Tolerance Class	Class C / F0.6

Product Compliance

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

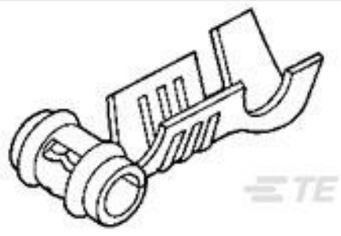
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

Also in the Series | MEAS PTF

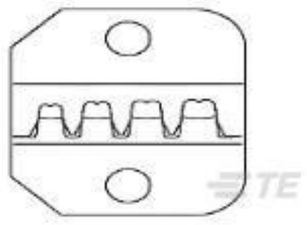


RTD Sensor Elements(53)

Customers Also Bought



TE Part #61276-2
.058 DIA RECPT LP 24-20



TE Part #1424050-1
PREMIUM SDE DIE BNC

TE Part #RE04-106P
PLUG ASSY

TE Part #10206412-00
THERMOCOUPLE TYPE K

TE Part #20012609-04
PRESS XDCR M3239-00000P-250PG

TE Part #GA100K6CG314
CHPG-TAIWAN GOLD CHIP

TE Part #1466289-1
03100590001

TE Part #PF5020098
NTC TEMPERATURE SENSOR

TE Part #85CV-005A-0R
NISO,CV,NO FITTING,CBL

TE Part #20012609-03
PRESS XDCR M3239-00000P-500PG

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_NB-PTCO-005_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-005_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-005_1.3d_stp.zip

English

Datasheets & Catalog Pages

Pt100, 2.0x2.3, Class C, PTFC101C1G0

English

Datasheet PTF-Family PTFC,PTFD,PTFF,PTFM

English