NB-PTCO-160 ✔ ACTIVE

MEAS | MEAS PTF

TE Internal #: NB-PTCO-160

TE Internal Description: Pt100, 2.0x2.3, Class B, PTFC101B1A0

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	2.3 mm[.09 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: JAN 2024 (240) 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

Compatible Parts

TE Part # NB-PTCO-161
Pt100, 2.0x2.3, Class A, PTFC101A1A0

TE Part # NB-PTCO-295
Pt1000, 2.0x2.3, Class B, PTFC102BC1G0

Also in the Series | MEAS PTF

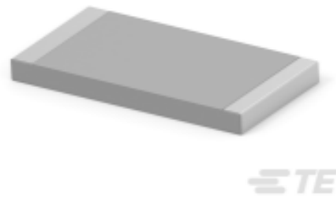
RTD Sensor Elements(53)

Customers Also Bought

TE Part #6609987-7
15SRB1-Y=F8219F

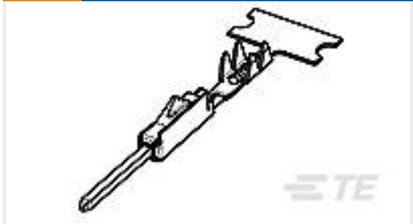
TE Part #1-84953-0
1MM FPC HORZ.TOP CONT.ASSY 10P

TE Part #6-1460820-2
V23608A1227B 2=MMCX SMD Jack Lead-fr

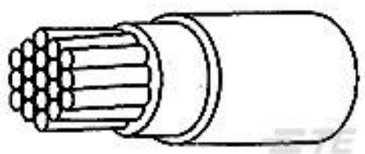


TE Part #5-2176331-6
CRGP 2512 390K 1%

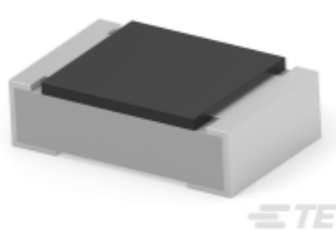
TE Part #11026911-00
LDTM-028K



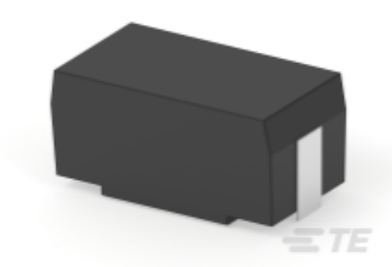
TE Part #1452128-1
MQS0,63 Sn tab LL unseal. FFC



TE Part #1102773001
FLT0111-0.25-9



TE Part #1-2176570-0
RLC73K 2A R887 1% 5K RL



TE Part #9-1879021-3
SMW3 R20 1%

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_NB-PTCO-160_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-160_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_NB-PTCO-160_1.3d_stp.zip

English

Datasheets & Catalog Pages

Datasheet PTF-Family PTFC,PTFD,PTFF,PTFM

English