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Sensor Type: **Platinum Thin Film Temperature Sensor**

Sensor Package: **Ceramic**

Element Material: **Platinum**

Lead Wire Style: **Ni/Au**

Maximum Temperature: **200 °C [392 °F]**

Features

Product Type Features

Wire/Cladding Type	Ni/Au
Model Number	PTFC101T1G0
Sensor Type	Platinum Thin Film Temperature Sensor
Element Material	Platinum
Lead Wire Style	Ni/Au

Configuration Features

Connector Type	Open Ends
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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)	100 (0 °C) Ω
T_ref for Accuracy	0 °C
Ambient Temperature Range	-30 – 200 °C[-22 – 392 °F]
TCR at (T1 and T2)	3850 ppm/°C



T1 and T2 for TCR	0 and +100 °C
T_ref for Resistance	0 °C
Accuracy (at T_ref)	± .1 °C
Maximum Temperature	200 °C[392 °F]

Packaging Features

Sensor Package	Ceramic
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Other

Wire Count	2
Tolerance Class	Class T (AA) / F0.1

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
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: JAN 2019 (197) Candidate List Declared Against: JAN 2018 (181)
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Customers Also Bought



TE Part #2199119-8
M.2 0.5PITCH 3.2H KEY A
15U" AU

TE Part #1623790-2
SQM10S 10R 5% LP (WIRE)

TE Part #1410278-2
MULTIGIG RT PWR .8"
VRT RCP 2P PBFR

TE Part #6-1879627-0
H4P 3K0 1% 100PPM

TE Part #NB-PTCO-155
PTFD101T1G0:PT100,2.0
X5.0,T

TE Part #NB-PTCO-156
PTFM101T1G0:PT100,1.2
X4.0,T

TE Part #NB-PTCO-162
PTFC101T1A0:PT100,2.0X2.
3,T

TE Part #1-1461250-5
OZ-SH-124LM1,294

TE Part #1-1623793-6
SQP5 33K 5% MTL FLM

TE Part #2-2176339-4
CRGCQ 0603 820R 1%

Documents

Datasheets & Catalog Pages
PTF-Family
English

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[NB-PTCO-058](#)