



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: **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   | 5 mm[.197 in]   |

Usage Conditions

|                   |               |
|-------------------|---------------|
| T1 and T2 for TCR | 0 and +100 °C |
|-------------------|---------------|



|                             |                            |
|-----------------------------|----------------------------|
| TCR at (T1 and T2)          | 3850 ppm/°C                |
| Accuracy (at T_ref)         | ± .6 °C                    |
| Operating Temperature Range | -50 – 300 °C[-58 – 572 °F] |
| Operating Temperature (Max) | 300 °C[572 °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: JUNE 2024 (241)<br>Candidate List Declared Against: JAN 2024 (240)<br>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 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.

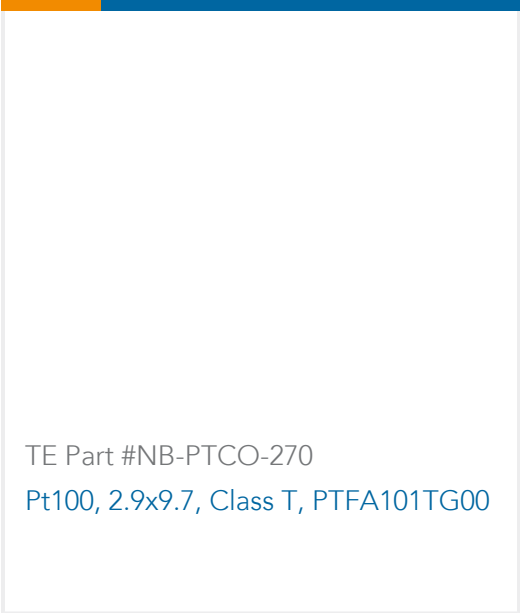
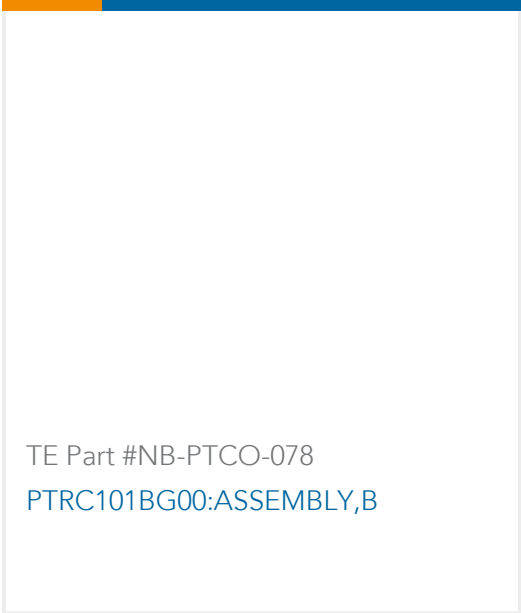
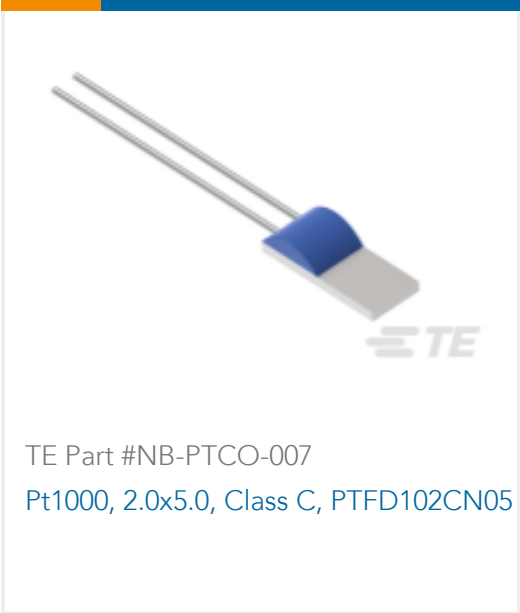
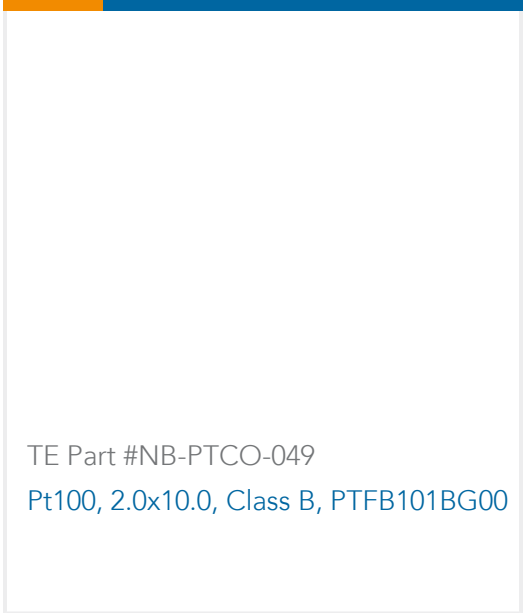
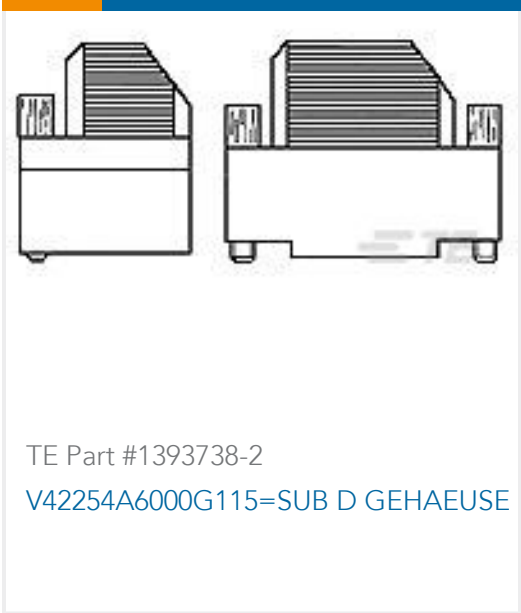
Compatible Parts



Also in the Series | MEAS PTF



Customers Also Bought





Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_NB-PTCO-166\_1.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_NB-PTCO-166\_1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_NB-PTCO-166\_1.3d\_stp.zip

English

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Datasheets & Catalog Pages

Datasheet PTF-Family PTFC,PTFD,PTFF,PTFM

English