

Sensors > Temperature Sensors > RTD Sensors > RTD Sensor Elements



RTD Element Type: **Platinum Glass Wire Wound Element**

Tolerance Class: **Class A / W0.15**

Element Package: **Glass**

Element Material: **Platinum**

Lead Wire Style: **Ni/Pt**

Features

Product Type Features

Wire/Cladding Type	Ni/Pt
Model Number	GX 518
RTD Element Type	Platinum Glass Wire Wound Element
Element Material	Platinum
Lead Wire Style	Ni/Pt

Configuration Features

Connector Type	Open Ends
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Dimensions

Wire Length	10 mm[.393 in]
Diameter (Body)	1.8 mm[.07 in]
Wire Diameter	.2 mm[.007 in]
Length (Body)	5 mm[.197 in]

Usage Conditions

Resistance (at T _{ref})	100 (0 °C) Ω
T _{ref} for Accuracy	0 °C
Ambient Temperature Range	-100 – 250 °C[-148 – 482 °F]
T ₁ and T ₂ for TCR	0 and +100 °C
TCR at (T ₁ and T ₂)	3850 ppm/°C
Accuracy (at T _{ref})	± .15 °C

T_ref for Resistance	0 °C
Maximum Temperature	250 °C[482 °F]

Packaging Features

Element Package	Glass
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Other

Tolerance Class	Class A / W0.15
Wire Count	2

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

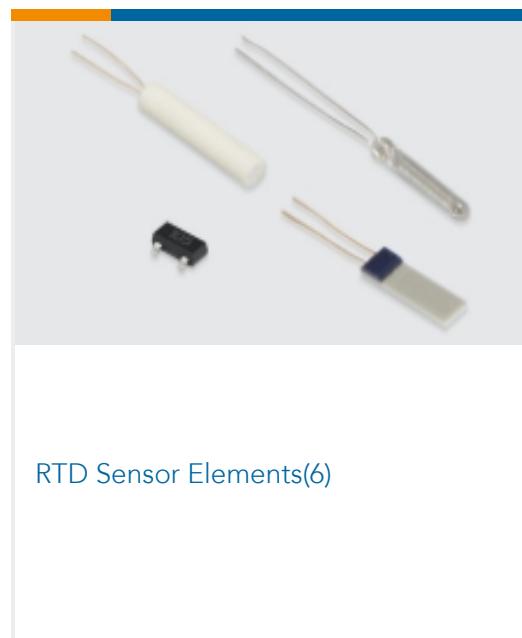
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 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 # 32205101
GX518 1Pt100 W0.15 L5/D1.8mm

Also in the Series | MEAS GX



RTD Sensor Elements(6)

Customers Also Bought



TE Part #3-644042-4
04P MTA100 CONN ASSY LF



TE Part #6609104-9
PE050SS30=C1134



TE Part #8-1393113-7
KUEP-11D15-24=KU-



TE Part #1625854-2
0805 PROBE PAD



TE Part #2-2176340-2
CRGCQ 0603 3K3 5%



TE Part #4-1879355-6
RR03 5% 330K AMMO



TE Part #155880-000
CWT-11



TE Part #114711-E
MICROS STV 6 407 188 * 0007 J 3
114711 M



TE Part #284698-E
SRCP 1,27 6 M 1 SMD 137 E1 094 * GU-
H *



TE Part #384804-E
SRCP 1,27 6 F 1 SMD 137 * 094 *
GURT RLV

Documents

[Datasheets & Catalog Pages](#)

[GWW Type GX](#)

English