20032150-12 ✔ ACTIVE

85UHP

TE Internal #: 20032150-12

TE Internal Description: Pressure Sensor, CV, 85UHP-050A-VS1C

Ultra High Purity Pressure Sensor

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Pressure: **3.45 bar [50 psi]**

Pressure Sensor Type: **mV Output Pressure Sensors**

Pressure Type: **Absolute**

Output Signal Type: **100mV**

Supply Voltage Range: **5 – 14 V**

All Ultra High Purity Pressure Sensor (24)

Features

Product Type Features

Pressure Sensor Type	mV Output Pressure Sensors
Pressure Type	Absolute
Sensor Package	Weldable

Configuration Features

Electrical Connection	5 Pin Header

Electrical Characteristics

Supply Current	1.5 mA
Supply Voltage Range	5 – 14 V

Dimensions

Product Diameter	15.83 mm[.623 in]

Usage Conditions

Pressure	3.45 bar[50 psi]
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

Operation/Application

Proof Pressure Range	3X Rated
Output Interface	Analog
Pressure Accuracy ±	.1 %
Output Signal Type	100mV

Other

Non-Linearity ±	.1 %
Sensor Options	Custom
Port Fitting	Weldable (No Thread)

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	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: Not Yet Reviewed SVHC > Threshold: Methanone, (diphenylphosphinyl)(2,4,6-trimethylphenyl)- (1% in Component) Pb (18% in Component) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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.

Also in the Series | 85UHP



Media Isolated Pressure Sensors(24)

Documents

Datasheets & Catalog Pages

85UHP

English