



Sensors > Vibration Sensors > Model 3038 SMT DC Accelerometers



Accelerometer Type: **MEMS DC**

Vibration Sensor Product Type: **MEMS Accelerometer**

Number of Sensing Axes: **Uniaxial**

Full Scale Output Voltage: **±1 VDC**

Sensor Mount Type: **Solder**

[All Model 3038 SMT DC Accelerometers \(6\)](#)

Features

Product Type Features

Sensor Package	Embedded
Accelerometer Type	MEMS DC
Vibration Sensor Product Type	MEMS Accelerometer

Electrical Characteristics

Zero Acceleration Output	±25 mV
Excitation Voltage Range	2 - 10 VDC
Full Scale Output Voltage	±1 VDC

Body Features

Primary Product Material	Ceramic
Product Weight	.6 g
Number of Sensing Axes	Uniaxial

Mechanical Attachment

Sensor Mount Type	Solder
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Usage Conditions

Operating Temperature Range	-40 - 125 °C[-40 - 257 °F]
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Operation/Application

Output Current Type	DC
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Other

Non-Linearity (FSO)	±1 %
Acceleration Range (±)	100 g
Sensitivity	.5 mV/g

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	Compliant
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: JAN 2024 (240) Candidate List Declared Against: JUNE 2023 (235) 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



Also in the Series | MEAS 3038



Vibration Sensors(8)

Customers Also Bought



TE Part # 3038-0500
3038-0500 SMT Accelerometer

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_3038-0100_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3038-0100_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3038-0100_E.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

3038_Accelerometer

English