

### MEAS | MEAS 3038

TE Internal #: 3038-0100

MEMS Accelerometer, Uniaxial Sensing, Solder, MEAS 3038

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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**

School Would Type	Sensor Mount Type	Solder
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# **Usage Conditions**

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

# Operation/Application

Output Current Type	DC	



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

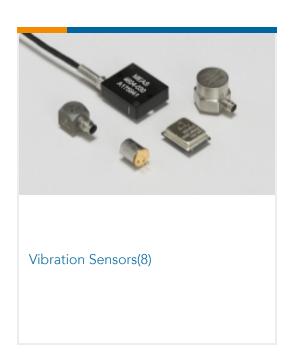
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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





# Customers Also Bought



# **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