



Sensors &gt; Vibration Sensors &gt; Embedded Accelerometers

Acceleration Range ( $\pm$ ): 50 g

Accelerometer Type: MEMS DC

Number of Axes: 1

Sensitivity: 1 mV/g

Embedded Accelerometer Sensor Type: DC Response Embedded Accelerometers

## Features

### Product Type Features

Accelerometer Type	MEMS DC
Embedded Accelerometer Sensor Type	DC Response Embedded Accelerometers

### Electrical Characteristics

Zero Acceleration Output	$\pm 25$ mV
Excitation Voltage	2 – 10 VDC
Full Scale Output Voltage	$\pm 1$ VDC

### Body Features

Weight	.6 g
Material	Ceramic
Number of Axes	1

### Mechanical Attachment

Embedded Accelerometer Mounting Type	Solder
--------------------------------------	--------

### Usage Conditions

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

### Other

Nonlinearity	$\pm 1$ %FSO
Acceleration Range ( $\pm$ )	50 g
Sensitivity	1 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: JUNE 2022 (224) 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

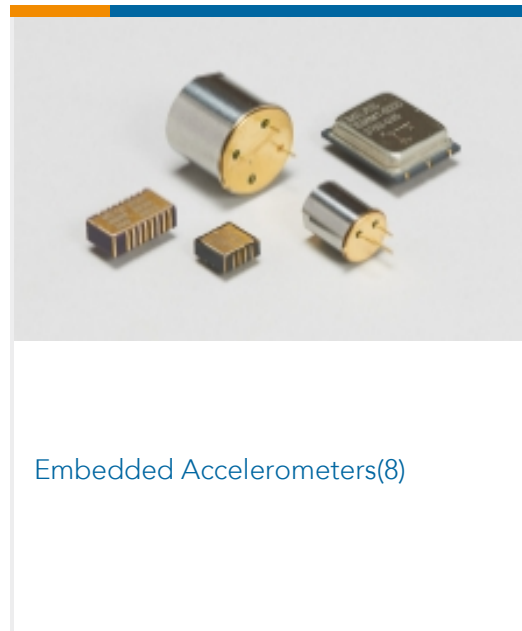
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

 <p>TE Part # 20008317-00 3038-6000-01</p>	 <p>TE Part # 3038-0200 3038-0200 SMT Accelerometer</p>	 <p>TE Part # 3038-6000 3038-6000 SMT Accelerometer</p>	 <p>TE Part # 3038-0100 3038-0100 SMT Accelerometer</p>
---	--	--	--



## Also in the Series | MEAS 3038



### Documents

#### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_3038-0050\\_E.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3038-0050\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3038-0050\\_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