

## MEAS | MEAS 810

TE Internal #: 20005838-00

Piezoelectric Accelerometer, Uniaxial Sensing, MEAS 810

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Sensors > Vibration Sensors > 820M1 Single Axis SMT Accelerometers





Accelerometer Type: 3-Wire Voltage

Vibration Sensor Product Type: Piezoelectric Accelerometer

Number of Sensing Axes: Uniaxial
Frequency Response: 2 to 10000 Hz
Full Scale Output Voltage: ±1.25 VDC

All 820M1 Single Axis SMT Accelerometers (10)

### **Features**

## **Product Type Features**

Output Type	AC
Sensor Package	Embedded
Accelerometer Type	3-Wire Voltage
Vibration Sensor Product Type	Piezoelectric Accelerometer
Electrical Characteristics	
Excitation Voltage	2.8 – 5.5 VDC
Full Scale Output Voltage	±1.25 VDC
Signal Characteristics	
Frequency Response	2 to 10000 Hz
Body Features	
Product Weight	1 g[.04 oz]
Primary Product Material	Ceramic
Number of Sensing Axes	Uniaxial
Mechanical Attachment	
Mounting Type	Solder

-40 - 125 °C[-40 - 257 °F]

**Usage Conditions** 

Operating Temperature Range



Industry Standards	
IP Rating	IP68
Other	
Sensitivity Range	12.5 mV/g
Overall Acceleration Range (±)	100 g
Nonlinearity	±1 %FSO
Acceleration Range (±)	100 g
Sensitivity	12.5 mV/g

## **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 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

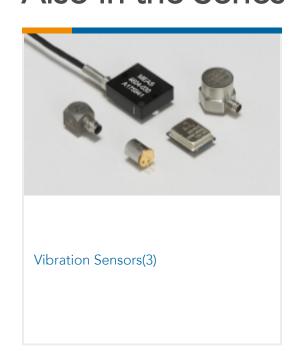
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 810



# Customers Also Bought















## **Documents**

#### **CAD Files**

3D PDF

3D

Customer View Model
ENG\_CVM\_CVM\_20005838-00\_C.2d\_dxf.zip

English



**Customer View Model** 

ENG\_CVM\_CVM\_20005838-00\_C.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_20005838-00\_C.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use

Datasheets & Catalog Pages

MODEL 820M1 ACCELEROMETER

English

**Product Specifications** 

Manuals & User Guides

English