820M1-0100 ✔ ACTIVE

MEAS | MEAS 810

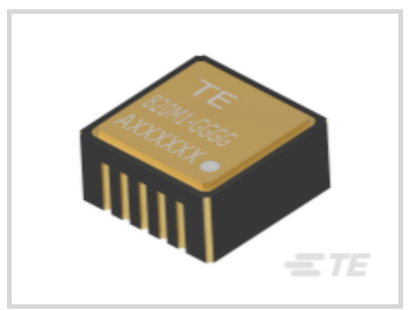
TE Internal #: 20005838-00

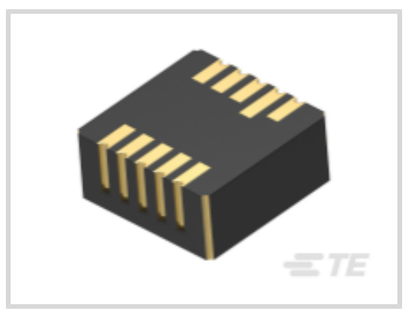
TE Internal Description: 820M1-0100 Single Axis, 100g, T/R

820M1 Single Axis SMT Accelerometers

View on TE.com >

Sensors > Vibration Sensors > Embedded Accelerometers > 820M1 Single Axis SMT Accelerometers





Acceleration Range (±): **100 g**

Frequency Response: **2 to 10000 Hz**

Overall Acceleration Range (±): **100 g**

Accelerometer Type: **3-Wire Voltage**

Number of Axes: **1**

All 820M1 Single Axis SMT Accelerometers (11)

Features

Product Type Features

Accelerometer Type	3-Wire Voltage
Embedded Accelerometer Sensor Type	AC Response Embedded Accelerometers

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

Material	Ceramic
Weight	1 g[.04 oz]
Number of Axes	1

Mechanical Attachment

Embedded Accelerometer Mounting Type	Solder

Usage Conditions

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

Other

Nonlinearity	±1 %FSO
Acceleration Range (±)	100 g
Overall Acceleration Range (±)	100 g
Sensitivity	12.5 mV/g
Sensitivity Range	12.5 mV/g

Product Compliance

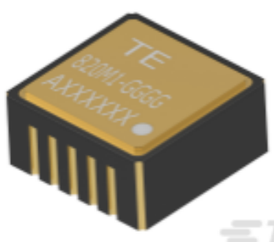
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Out of Scope
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: JUN 2020 (209) 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



TE Part # CAT-EAC0021
820M1 Single Axis SMT Accelerometers

Also in the Series | MEAS 810



Embedded Accelerometers(3)

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