



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

Sensor Package	Embedded
Accelerometer Type	3-Wire Voltage
Vibration Sensor Product Type	Piezoelectric Accelerometer

Electrical Characteristics

Excitation Voltage Range	2.8 – 5.5 VDC
Full Scale Output Voltage	±1.25 VDC

Signal Characteristics

Frequency Response	2 to 10000 Hz
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Body Features

Product Weight	1 g[.04 oz]
Primary Product Material	Ceramic
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	AC
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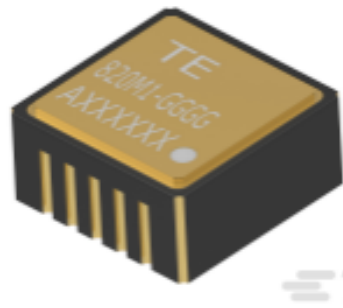
Industry Standards

IP Rating	IP68
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Other

Sensitivity Range	25 mV/g
Overall Acceleration Range (±)	50 g
Non-Linearity (FSO)	±1 %
Acceleration Range (±)	50 g
Sensitivity	25 mV/g

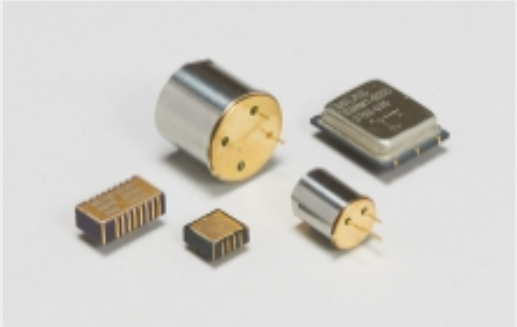
Compatible Parts



TE Part # CAT-EAC0021

820M1 Single Axis SMT Accelerometers

Also in the Series | MEAS 820



Piezoelectric Accelerometers(7)



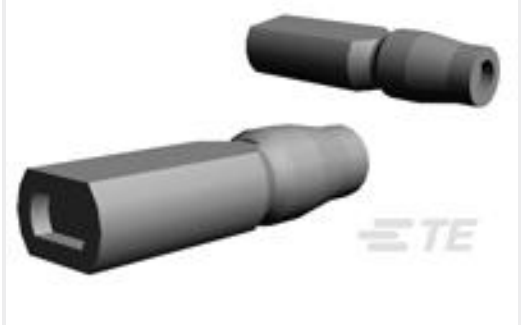
Vibration Sensors(7)

Customers Also Bought



TE Part #5-826656-0

50P AMPMODU II STIFT LEI



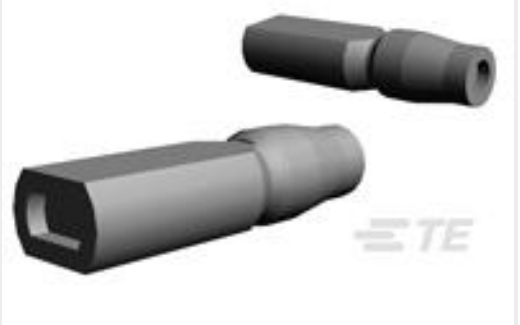
TE Part #1-925017-5

250 FASTON HSG.,REC.,1 POS,BLACK



TE Part #1462051-1

HF3 51 = 50OHM 140MW 3V MONO



TE Part #1-925017-0

250 FASTON HSG.,REC.,1 POS, NATURAL



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_20005837-01_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_20005837-01_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_20005837-01_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