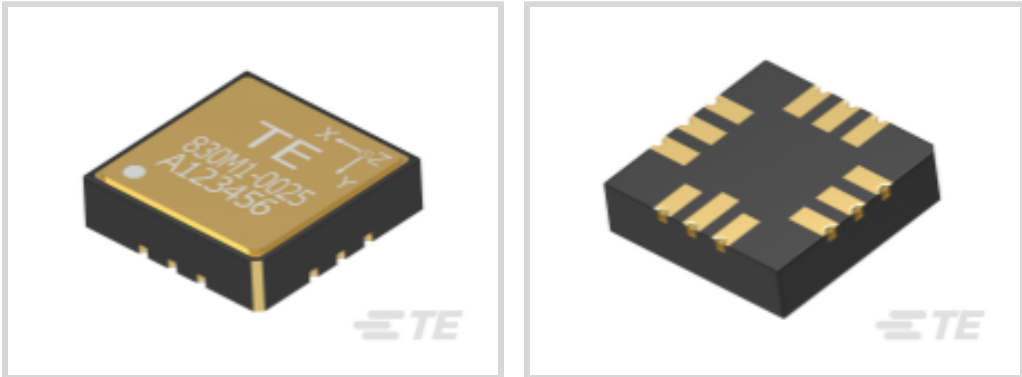




Sensors > Vibration Sensors



Accelerometer Type: **3-Wire Voltage**

Vibration Sensor Product Type: **AC Response Embedded Accelerometers**

Number of Sensing Axes: **Triaxial**

Frequency Response: **2 to 15000 Hz**

Full Scale Output Voltage: **±1.25 VDC**

Features

Product Type Features

Accelerometer Type	3-Wire Voltage
Vibration Sensor Product 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 15000 Hz
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Body Features

Product Weight	1 g[.12 oz]
Primary Product Material	Ceramic
Number of Sensing Axes	Triaxial

Mechanical Attachment

Mounting Type	Solder
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Usage Conditions

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

IP Rating	IP68
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Other



Sensitivity Range	12.5 mV/g
Overall Acceleration Range (±)	100 g
Nonlinearity	±2 %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
EU ELV Directive 2000/53/EC	Not Yet Reviewed
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 2023 (233) Not Yet Reviewed
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts





TE Part # 20011423-00

830M1-0050 Triaxial 50g Tape Reel 150pc



TE Part # 20011422-00

830M1-0025 Triaxial 25g Tape Reel 150pc



TE Part # 20011425-00

830M1-0200 Triaxial 200g Tape Reel 150pc



TE Part # 20011426-00


830M1-0500 Triaxial 500g Tape Reel 150pc



TE Part # 20018122-00

830M1-1000 Triaxial 1Kg Tape Reel 150pc

Also in the Series | MEAS 830



Vibration Sensors(15)

Customers Also Bought



TE Part #4-2337939-6

PCIE GEN4 CON,SMT,64POS,15u", MYLAR,ST



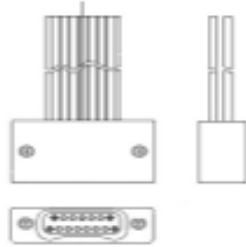
TE Part #1617091-1

LSAW-2C-12B = 1/2 LATCH 2 POLE



TE Part #11029999-00

PIEZO FILM SENSORS WITH LEAD



TE Part #3-1589477-5

STM037SC2DC020Q = WDUALOBE



TE Part #1103436-1

HC26.Base Housing-metal



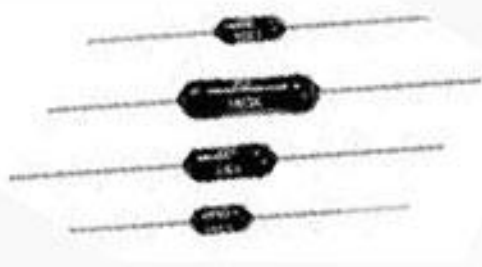
TE Part #20011422-00

830M1-0025 Triaxial 25g Tape Reel 150pc



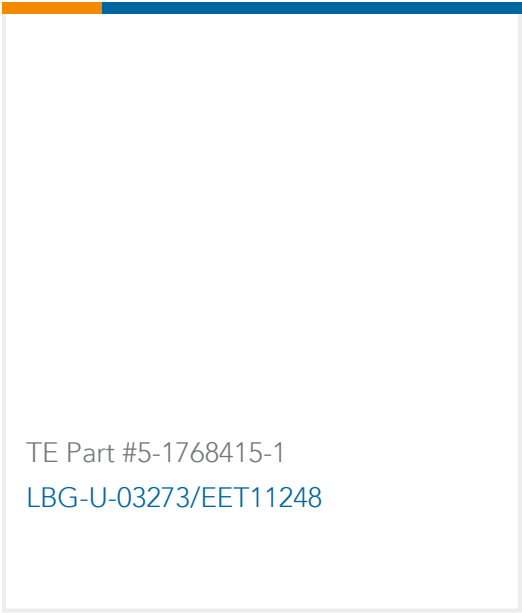
TE Part #20011426-00

830M1-0500 Triaxial 500g Tape Reel 150pc



TE Part #5-1879659-1

H4 3K83 0.1% 15PPM



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_20011424-00_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_20011424-00_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_20011424-00_B.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[830M1_Triaxial_Accelerometer](#)

English