



Sensors &gt; Vibration Sensors &gt; Embedded Accelerometers

Acceleration Range ( $\pm$ ): 50 g

Frequency Response: 1 to 8000 Hz

Accelerometer Type: 3-Wire Voltage

Number of Axes: 1

Sensitivity: 40 mV/g

## Features

### Product Type Features

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

### Electrical Characteristics

Excitation Voltage	3 – 5.5 VDC
Full Scale Output Voltage	$\pm 5$ VDC

### Signal Characteristics

Frequency Response	1 to 8000 Hz
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### Body Features

Weight	5 g
Material	Stainless Steel
Number of Axes	1

### Mechanical Attachment

Embedded Accelerometer Mounting Type	Adhesive
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### Usage Conditions

Operating Temperature Range	-40 – 100 °C[-40 – 212 °F]
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### Other

Nonlinearity	$\pm 1$ %FSO
Acceleration Range ( $\pm$ )	50 g



Sensitivity	40 mV/g
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### 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 2021 (211) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

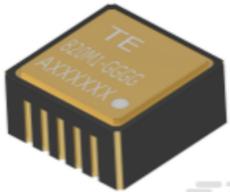
#### Product Compliance Disclaimer

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 # CAT-EAC0000  
Embedded Accelerometer STOCK LIST



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



TE Part # 20003748-00  
805M1-0020-02 TO-5 Accelerometer



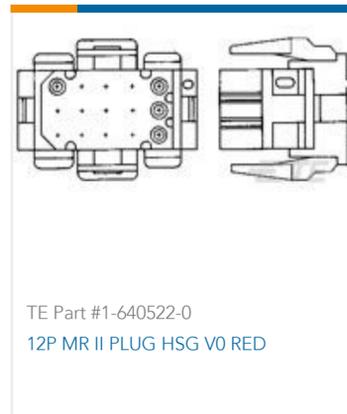
TE Part # 20003749-00  
805M1-0200-02 TO-5 Accelerometer

### Also in the Series | MEAS 805



Embedded Accelerometers(27)

## Customers Also Bought

TE Part #1-917659-6  
DYNAMIC 3200 REC AND TAB HSGTE Part #2-1617030-7  
HFW1201G01M = M39016/6-116MTE Part #1-640522-0  
12P MR II PLUG HSG V0 REDTE Part #3-794618-4  
04P MICRO MNL ASSY R/A HDR LFTE Part #1-770967-0  
03P MINI UMNL R/A HDR ASSY SNTE Part #338068-8  
FEMALE-ON-BOARD CONNECTOR  
TOP ENTRYTE Part #1622795-4  
YR1 0.1% 46K4TE Part #MS860702BA01-50  
BOARD LEVEL PRESSURE STOCK LISTTE Part #20003750-00  
Model 805M1 TO-5 3-Wire  
AccelerometerTE Part #2-34160-1  
TERMINAL,PG R 16-14 8, TAPE

## Documents

### CAD Files

[3D PDF](#)

[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_20003752-00\\_M.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_20003752-00\\_M.3d\\_igs.zip](#)



English

Customer View Model

[ENG\\_CVM\\_CVM\\_20003752-00\\_M.3d\\_stp.zip](#)

English

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

**Datasheets & Catalog Pages**

[805M1\\_Accelerometer](#)

English