



Sensors > Vibration Sensors > Model 805M1 TO-5 3-Wire Accelerometer



Accelerometer Type: **3-Wire Voltage**
Vibration Sensor Product Type: **Piezoelectric Accelerometer**
Number of Sensing Axes: **Uniaxial**
Frequency Response: **1 to 8000 Hz**
Full Scale Output Voltage: **±2 VDC**

[All Model 805M1 TO-5 3-Wire Accelerometer \(7\)](#)

Features

Product Type Features

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

Electrical Characteristics

Excitation Voltage Range	3 – 5.5 VDC
Full Scale Output Voltage	±2 VDC

Signal Characteristics

Frequency Response	1 to 8000 Hz
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Body Features

Product Weight	5 g[.17 oz]
Primary Product Material	Stainless Steel
Number of Sensing Axes	Uniaxial

Mechanical Attachment

Sensor Mount Type	Screw Mount
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Usage Conditions

Operating Temperature Range	-40 – 100 °C[-40 – 212 °F]
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Operation/Application

Output Current Type	AC
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Other

Non-Linearity (FSO)	±1 %
Acceleration Range (±)	50 g
Sensitivity	40 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	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (.14% in Component Part) Methanone, (diphenylphosphinyl)(2,4,6-trimethylphenyl)- (1% in Component Part) Pb (18% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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





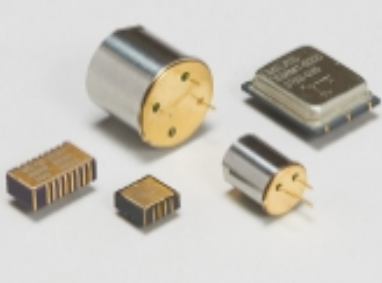
TE Part # 805M1-0050
805M1-0050 TO-5 Accelerometer




TE Part # 805-0050-01
805-0050-01 TO-5 Accelerometer

Also in the Series

MEAS 805



Piezoelectric Accelerometers(13)



Vibration Sensors(13)

Customers Also Bought



TE Part #20003752-00
805M1-0050-02 TO-5 Accelerometer



TE Part #7-1624112-1
3650 0603 8.2nH 5% 2K RL



TE Part #5-1614894-7
CPF 0805 698K 0.1% 25PPM 1K RL



TE Part #8-1624112-8
3650 0603 0.15uH 5% 2K RL



TE Part #7-1624112-6
3650 0603 16nH 5% 2K RL



TE Part #60900-4
WRAP TYPE TAB REC 24-22 AWG
TPBR



TE Part #6-1624112-8
3650 0603 5.6nH 5% 2K RL



TE Part #1624112-3
3650 0603 22nH 5% 2K RL



TE Part #7-1624112-7
3650 0603 18nH 5% 2K RL



TE Part #8-1624112-6
3650 0603 82nH 5% 2K RL



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_805M1-0050-01_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_805M1-0050-01_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_805M1-0050-01_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