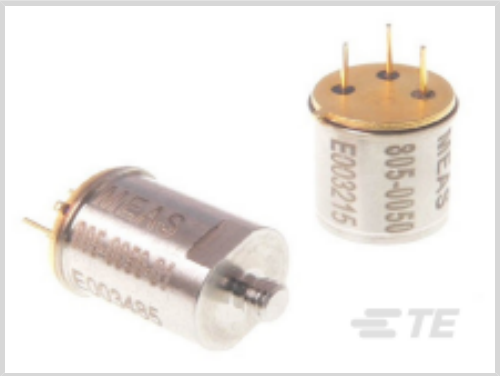




Sensors > Vibration Sensors



Accelerometer Type: **IEPE**
Vibration Sensor Product Type: **Piezoelectric Accelerometer**
Number of Sensing Axes: **Uniaxial**
Frequency Response: **1 to 8000 Hz**
Full Scale Output Voltage: **±5 VDC**

Features

Product Type Features

Sensor Package	Embedded
Accelerometer Type	IEPE
Vibration Sensor Product Type	Piezoelectric Accelerometer

Electrical Characteristics

Excitation Current	2 – 10 mA
Full Scale Output Voltage	±5 VDC

Signal Characteristics

Frequency Response	1 to 8000 Hz
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Body Features

	.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

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Output Current Type	AC
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Other

Non-Linearity (FSO)	±1 %
Acceleration Range (±)	50 g
Sensitivity	100 mV/g

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
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) 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 # 805M1-0050-01
805M1-0050-01 TO-5 Accelerometer



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



Also in the Series

MEAS 805

A collection of various piezoelectric accelerometers, including cylindrical and rectangular models with different mounting options.

Piezoelectric Accelerometers(13)

A collection of various vibration sensors, including cylindrical and rectangular models with different mounting options.

Vibration Sensors(13)

Customers Also Bought

A black rectangular sensor module with multiple pins.

TE Part #2003204-F
HCEM100DUE9P5; PRES; 0...100mbar;
4V; 5V

Two cylindrical TO-5 accelerometers, one with a gold finish and one with a silver finish.

TE Part #805-0500-01
805-0500-01 TO-5 Accelerometer

A white cylindrical sensor with a red and black base.

TE Part #2329388-7
PB OFF/ON FC RED M1 TERM RED
LED IP68 50

A technical drawing of a cylindrical component with a flange.

TE Part #966066-5
FER,WIRE,PL SLV, .14/26,L6,GREY,LP

A cylindrical TO-5 accelerometer with a gold finish.

TE Part #805M1-0020
805M1-0020 TO-5 Accelerometer

A black cylindrical component with a male connector.

TE Part #T4013008031-000
M8,SCREW, MALE,R/A,UNSHIELD,3P,
GOLD

Three plastic cable glands of different sizes and colors (grey, black).

TE Part #CAT-AB0-E1626
Plastic Cable Glands With Locknut

Three small green surface-mount components.

TE Part #1879215-6
CPF 0402 4K53 0.1% 25PPM 1K RL

Three cables with labels A123461, A123462, and A123456.

TE Part #5054552012
RNF-100-1/2-5-STK

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_805-0050-01_H.2d_dxf.zip
- English
- Customer View Model



[ENG_CVM_CVM_805-0050-01_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_805-0050-01_H.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[805_Accelerometer](#)

English