



Sensors &gt; 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 |
|--------------------|--------------|

### Body Features

|                          |                 |
|--------------------------|-----------------|
| Weight                   | .17 oz          |
| Primary Product Material | Stainless Steel |
| Number of Sensing Axes   | Uniaxial        |

### Mechanical Attachment

|                   |             |
|-------------------|-------------|
| Sensor Mount Type | Screw Mount |
|-------------------|-------------|

### Usage Conditions

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

### Operation/Application



|                     |    |
|---------------------|----|
| Output Current Type | AC |
|---------------------|----|

### Other

|                     |      |
|---------------------|------|
| Non-Linearity (FSO) | ±1 % |
|---------------------|------|

|                        |       |
|------------------------|-------|
| Acceleration Range (±) | 500 g |
|------------------------|-------|

|             |         |
|-------------|---------|
| Sensitivity | 10 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 | 有害物质含量超出标准 Restricted Substance(s) Above Threshold |
|---|--|

|  |   |
|--|---|
| EU REACH Regulation (EC) No. 1907/2006 | <p>Current ECHA Candidate List: JUNE 2025 (250)</p> <p>Candidate List Declared Against: JUNE 2025 (250)</p> <p>SVHC &gt; Threshold:</p> <p>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (.13% in Component Part)</p> <p>Pb (18% in Component Part)</p> <p><b>Article Safe Usage Statements:</b><br/>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p> |
|--|---|

|                 |                                      |
|-----------------|--------------------------------------|
| Halogen Content | Not Yet Reviewed for halogen content |
|-----------------|--------------------------------------|

|                           |  |
|---------------------------|--|
| Solder Process Capability | Not reviewed for solder process capability |
|---------------------------|--|

### Product Compliance Disclaimer

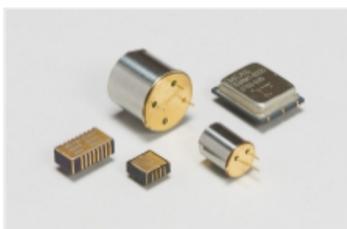
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 805-0500-02  
805-0500-02 TO-5 Accelerometer

### Also in the Series | MEAS 805



Piezoelectric Accelerometers(13)



Vibration Sensors(13)

### Customers Also Bought



TE Part #2562-201-2031L  
CONT SOC ASSY



TE Part #DRC16-70SDE-P013  
PLG, 70P, BLK, E, SEAL BOND, D



TE Part #814516-000  
222D221-4-0



TE Part #951401-000  
222D211-12-0



TE Part #2108847-1  
Ceramic patch antenna, L1+G1 & L2



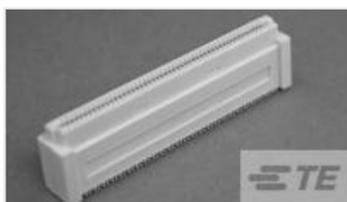
TE Part #2357787-3  
16G,05FH,plug,220P,5H,emboss, W/  
CAP



TE Part #1-5177983-2  
0.8FH,R05H.5,060,15/Sn,TU



TE Part #1-5177984-0  
0.8FH,P05H.5,200,08/Sn,TU



TE Part #6-5179010-0  
0.8FH,R13H.5,200,08/Sn,TU



TE Part #1775838-2  
mSATA/mini PCI-E 5.6H Type I G/F



## Documents

### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_805-0500-01\\_H.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_805-0500-01\\_H.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_805-0500-01\\_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