

EMBEDDED ACCELEROMETER STOCK LIST



MEAS
TE Model # CAT-EAC0000
TE Internal #: CAT-EAC0000
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Sensors > Vibration Sensors > Embedded Accelerometers



Embedded Accelerometers in Stock.

TE Connectivity (TE) manufactures a variety of embedded accelerometers for various applications and industries. For customers that have a more immediate need for products in inventory or those early in the design stage of a project, TE offers products in stock through various channel distribution partners. These are popular, standard configurations to compliment our customization capability.

Features

Product Type Features

Accelerometer Type	3-Wire Voltage, IEPE, MEMS DC
Sensor Type	AC Response Embedded Accelerometers, DC Response Embedded Accelerometers

Electrical Characteristics

Excitation Current (mA)	2 - 10
Zero Acceleration Output (mV)	±25
Excitation Voltage (VDC)	2 - 10, 3 - 5.5, 3.3 - 5.5
Full Scale Output Voltage (VDC)	±.1, ±1.25, ±2, ±5

Signal Characteristics

Frequency Response (Hz)	1 to 8000
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Body Features

Material	Ceramic, Stainless Steel
Weight (g)	.6, 2.6, 3, 3.6, 5
Weight (oz)	.17
Number of Axes	1, 3



Mechanical Attachment

Mounting Type	Adhesive, Screw Mount, Solder
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Usage Conditions

Operating Temperature Range (°C)	-40 - 100, -40 - 125
Operating Temperature Range (°F)	-40 - 212, -40 - 257

Other

Nonlinearity (%FSO)	±1, ±2
Acceleration Range (±) (g)	20, 25, 50, 100, 200, 500, 2000, 6000
Sensitivity (mV/g)	.05, .08, .2, .4, .5, .62, 1, 2.5, 6.25, 10, 12.5, 25, 50, 100

SEE PRODUCTS ON NEXT PAGE

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Products (1 of 5)



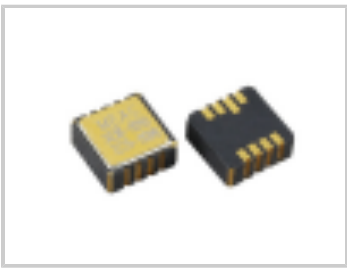
+/-200G DC
ACCELEROMETER, 0.4MV/G



+/-6000G AC 3-AXIS BOARD
M ACCELEROMETER



+/-50G AC 3-AXIS BOARD
MNT ACCELEROMETER



+/-6000G DC
ACCELEROMETER, 0.05MV
/G

TE Model / Part #	3038-0200	834M1-6000	832M1-0050	3038-6000
Acceleration Range (±)	200 g	6000 g	50 g	6000 g
Frequency Response				
Accelerometer Type	MEMS DC	3-Wire Voltage	3-Wire Voltage	MEMS DC
Number of Axes	1	3	3	1
Sensitivity	.4 mV/g	.2 mV/g	25 mV/g	.05 mV/g
Sensor Type	DC Response Embedded Accelerometers	AC Response Embedded Accelerometers	AC Response Embedded Accelerometers	DC Response Embedded Accelerometers
Mounting Type	Solder	Solder	Solder	Solder
Full Scale Output Voltage	±.1 VDC	±1.25 VDC	±1.25 VDC	±.1 VDC
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	EU ELV Compliant
Product Families	MEAS	MEAS	MEAS	MEAS
Series	MEAS 3038	MEAS 834	MEAS 832	MEAS 3038

*EU RoHS Directive 2011/65/EU

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TE Model # CAT-EAC0000
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Products (2 of 5)



+/-200G VOLTAGE OUT 1
AXIS ACCELEROMETER



+/-2000G AC 3-AXIS BOARD
M ACCELEROMETER



+/-20G VOLTAGE OUT 1
AXIS ACCELEROMETER



+/-25G AC BOARD MOUNT
ACCELEROMETER

TE Model / Part #	805M1-0200	834M1-2000	805M1-0020-01	810M1-0025X
Acceleration Range (±)	200 g	2000 g	20 g	25 g
Frequency Response	1 to 8000 Hz		1 to 8000 Hz	
Accelerometer Type	3-Wire Voltage	3-Wire Voltage	3-Wire Voltage	3-Wire Voltage
Number of Axes	1	3	1	1
Sensitivity	10 mV/g	.62 mV/g	100 mV/g	50 mV/g
Sensor Type	AC Response Embedded Accelerometers	AC Response Embedded Accelerometers	AC Response Embedded Accelerometers	AC Response Embedded Accelerometers
Mounting Type	Adhesive	Solder	Screw Mount	Solder
Full Scale Output Voltage	±2 VDC	±1.25 VDC	±2 VDC	±1.25 VDC
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV
Product Families	MEAS	MEAS	MEAS	MEAS
Series	MEAS 805	MEAS 834	MEAS 805	MEAS 810

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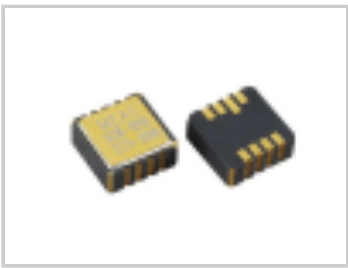
TE Model # CAT-EAC0000
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Products (3 of 5)



+/-200G AC 3-AXIS BOARD
M ACCELEROMETER



+/- 100G DC
ACCELEROMETER, 0.5MV/G



+/-500G DC
ACCELEROMETER, 0.2MV/G



+/- 50G DC
ACCELEROMETER, 1.0MV/G

TE Model / Part #	832M1-0200	3038-0100	3038-0500	3038-0050
Acceleration Range (±)	200 g	100 g	500 g	50 g
Frequency Response				
Accelerometer Type	3-Wire Voltage	MEMS DC	MEMS DC	MEMS DC
Number of Axes	3	1	1	1
Sensitivity	6.25 mV/g	.5 mV/g	.2 mV/g	1 mV/g
Sensor Type	AC Response Embedded Accelerometers	DC Response Embedded Accelerometers	DC Response Embedded Accelerometers	DC Response Embedded Accelerometers
Mounting Type	Solder	Solder	Solder	Solder
Full Scale Output Voltage	±1.25 VDC	±.1 VDC	±.1 VDC	±.1 VDC
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant with Exemptions	Not Yet Reviewed for EU RoHS	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant with Exemptions	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV
Product Families	MEAS	MEAS	MEAS	MEAS
Series	MEAS 832	MEAS 3038	MEAS 3038	MEAS 3038

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Products (4 of 5)



+/-50G AC SCREW MNT
ACCELEROMETER



+/-500G AC 3-AXIS BOARD
M ACCELEROMETER



+/-25G AC 3-AXIS BOARD
MNT ACCELEROMETER



+/-100G AC 3-AXIS BOARD
M ACCELEROMETER

TE Model / Part #	805-0050-01	832M1-0500	832M1-0025	832M1-0100
Acceleration Range (±)	50 g	500 g	25 g	100 g
Frequency Response	1 to 8000 Hz			
Accelerometer Type	IEPE	3-Wire Voltage	3-Wire Voltage	3-Wire Voltage
Number of Axes	1	3	3	3
Sensitivity	100 mV/g	2.5 mV/g	50 mV/g	12.5 mV/g
Sensor Type	AC Response Embedded Accelerometers	AC Response Embedded Accelerometers	AC Response Embedded Accelerometers	AC Response Embedded Accelerometers
Mounting Type	Screw Mount	Solder	Solder	Solder
Full Scale Output Voltage	±5 VDC	±1.25 VDC	±1.25 VDC	±1.25 VDC
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant with Exemptions	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	Not Yet Reviewed for EU ELV	EU ELV Compliant with Exemptions	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV
Product Families	MEAS	MEAS	MEAS	MEAS
Series	MEAS 805	MEAS 832	MEAS 832	MEAS 832

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Products (5 of 5)



+/-2000G DC
ACCELEROMETER, 0.08MV
/G



+/- 50G AC ADHESIVE MNT
ACCELEROMETER



+/-500G AC ADHESIVE MNT
ACCELEROMETER



+/-500G AC SCREW MNT
ACCELEROMETER

TE Model / Part #	3038-2000	805-0050	805-0500	805-0500-01
Acceleration Range (±)	2000 g	50 g	500 g	500 g
Frequency Response		1 to 8000 Hz	1 to 8000 Hz	1 to 8000 Hz
Accelerometer Type	MEMS DC	IEPE	IEPE	IEPE
Number of Axes	1	1	1	1
Sensitivity	.08 mV/g	100 mV/g	10 mV/g	10 mV/g
Sensor Type	DC Response Embedded Accelerometers	AC Response Embedded Accelerometers	AC Response Embedded Accelerometers	AC Response Embedded Accelerometers
Mounting Type	Solder	Adhesive	Adhesive	Screw Mount
Full Scale Output Voltage	±.1 VDC	±5 VDC	±5 VDC	±5 VDC
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV
Product Families	MEAS	MEAS	MEAS	MEAS
Series	MEAS 3038	MEAS 805	MEAS 805	MEAS 805

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