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Capacitive Accelerometer

BST 67K3 Triaxial

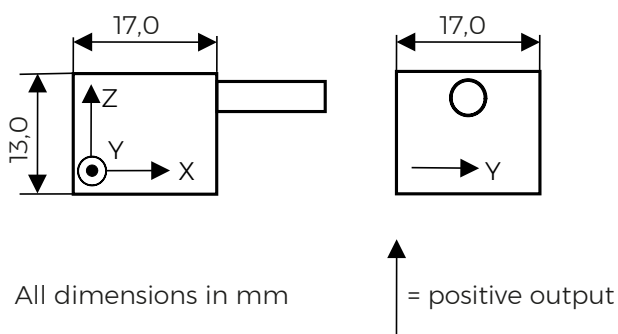
Features

- Anodized Aluminium Housing
- DC Response
- Voltage Output
- Calibration
- Low cost

Application

- Motion
- Automotive
- Truck and Busses
- Train
- Comfort

Dimensions

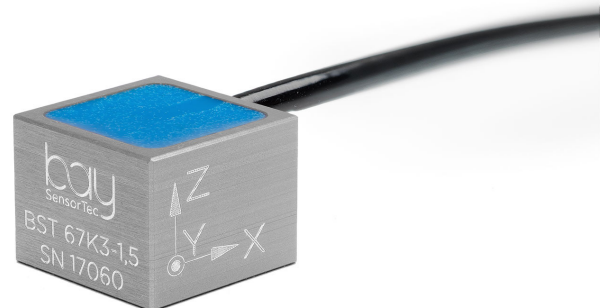


Description

The new model BST 67K3 is a triaxial accelerometer based on variable capacitive technology with a good frequency response. The accelerometers are designed for relatively low amplitudes. Do to the mounting is very easy with glue. The sensor has 2 m very high rugged and flexible cable this makes it easy to connect the sensor on data acquisition systems. It operates between 8 and 30 VDC unregulated.

As an option, we supply the sensor with connector, Dallas ID or TEDS module.

A calibration for the sensor is obligatory.



Specifications

Range	from 1.5 g to 15 g
Supply voltage	8 to 30 VDC unregulated
Power Consumption	max. 3 mA
Zero measurement output	2500 mV DC +/- 200 mV
Sensitivity	100 mV/g up to 1000 mV/g
Frequency 5% typ	0 Hz to 250 Hz
Shock limit	2000 g
Operation Temperature	-20° to 80° C
Weight	12 grams without cable
Dimensions	17,0 x 17,0 x 13.0 mm (l x w x h)
Cable	2 m, shielded, 5 wire AWG30
Case material	anodized Aluminium
Mounting	Glue

Individual Data

Range g	1,5	5	15
Frequency Hz	0-120	0-250	0-250
Sensitivity mV/g	1000	400	100

Cable Code Single ended

red = Excitation + black = Excitation -
white = signal x yellow = signal y green = signal z

Order information

BST 67K3-05-2Z
67K3 = Model Name
05 = Range 5 g
2 = 2 m shielded cable
Z = no connector