

Contact

+49 89 189 41 49-11

info@bay-sensortec.com



Capacitive Accelerometer

BST 67K3F Triaxial

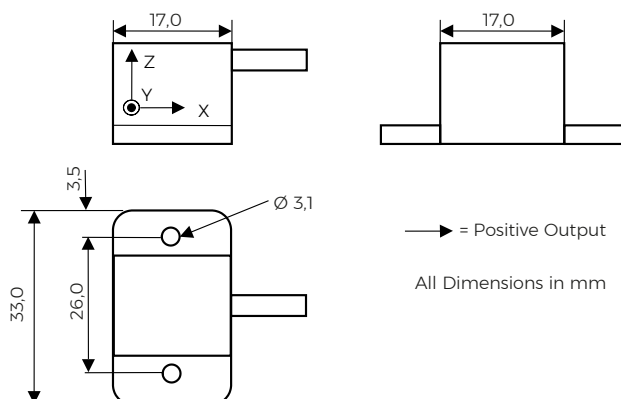
Features

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

Application

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

Dimensions

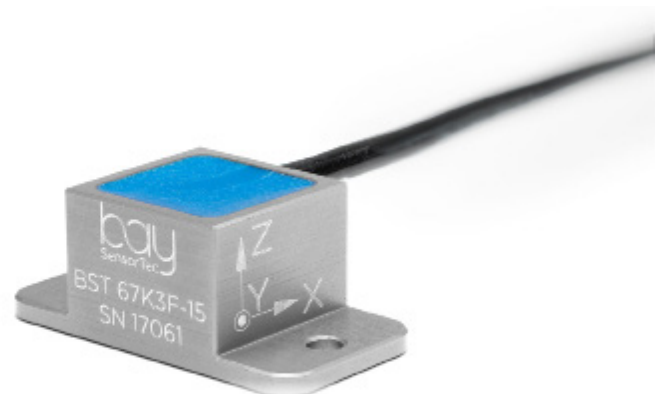


Description

The new model **BST 67K3F** 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 2 screws M3. 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 +/- 150 mV
Sensitivity	100 mV/g up to 1000 mV/g
Frequency 5% typ	0 Hz to 200 Hz
Shock limit	5000 g
Operation Temperature	-20° to 80° C
Weight	12 grams without cable
Dimensions	33,0 x 17,0 x 13.0 mm (l x w x h)
Cable	2 m, shielded, 5 wire AWG30
Case material	anodized Aluminium
Mounting	2 pcs. Screws M3

Individual Data

Range g	1,5	5	15
Frequency typ Hz	25	30	200
Sensitivity mV/g	1000	300	100

Cable Code Single ended

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

Order information

BST 67K3F-05-2Z
67KF3 = Model Name
05 = Range 5 g
2 = 2 m shielded cable
Z = no connector