Capacitive Accelerometer
BST 67K3F Triaxial

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. Due to the mounting it 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.

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

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

Dimensions

All Dimensions in mm
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