Piezo resistive Accelerometer
BST 67K3F Triaxial

Features

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

Application

• Motion
• Automotive
• Truck and Busses
• Train
• Comfort

Description

The new model BST 67K3F is a uniaxial 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 2m 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.

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