Piezo resistive Accelerometer

BST 67K3 Triaxial

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

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

Dimensions

All dimensions in mm

= positive output

Description

The new model BST 67K3 is a uniaxial accelerometer based on variable capacitive technology with a good frequency response. The accelerometers are designed for relatively low amplitudes. Due to the mounting is very easy with glue. 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.
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