

Capacitive Accelerometer

BST 67K3F

triaxial

Features

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

Applications

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

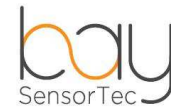
Description

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.

Specifications

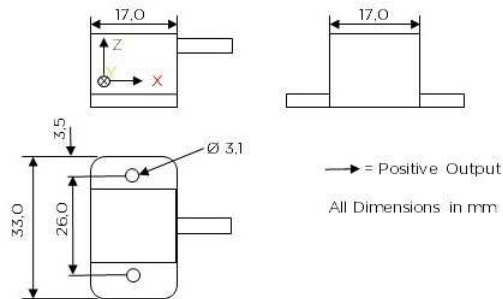
Range	from 1.5 g to 15 g
Supply voltage	8 to 30 VDC unregulated
Power Consumption	max. 3 mA
Zero measurement output	2500 mV DC +/- 150 mV
Sensitivity	100 mV/g up to 1000 mV/g
Frequency typ	0 Hz to 250 Hz
Shock limit	5000 g
Operation Temperature	-20° to 80° C
Weight	12 grams without cable
Cable	2 m, shielded, 5 wire AWG30
Dimensions	33,0 x 17,0 x 13.0 mm (l x w x h)
Case material	anodized Aluminium
Mounting	2 pcs. Screws M3



Individual Data

Range g	1.5	5	15
Frequency Hz typ	120	250	250
Sensitivity mV/g	1000	300	100

Dimensions



Cable Code Single ended

Red = Excitation + Black = Excitation –
 White = Signal X Yellow = Signal Y Green = Signal Z

Order Information

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