

## VIBRATION



Precise and stable vibration measurements are required in many applications ranging from civilian and military aircrafts or helicopters to land vehicles, large structures (bridges, building, dams) or industrial equipment.

The aim of these wide dynamic measurements is to assess a modal shape and its stability or to monitor and measure a given vibration level to be able to reduce its impact and improve comfort, increase durability or anticipate preventive maintenance in the different fields of research, development, production or test.



LCC20  
(8,9mm x 8,9mm)

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TO8  
(Ø15,5mm)

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Product name

**VS9002.D**

**VS9010.D**

**VS9030.D**

**VS9050.D**

**VS9100.D**

**VS9200.D**

**MS7002.3**

**MS7010.3**

Full scale

**± 2g**

± 10g

± 30g

± 50g

± 100g

**± 200g**

± 2g

± 10g

Frequency response  
@ -5%

>250Hz

**>1000Hz**

>1000Hz

>1000Hz

>1000Hz

>1000Hz

>250Hz

>200Hz

Frequency response  
@ -3dB

>800Hz

>3000Hz

>3000Hz

>3000Hz

>3000Hz

>3000Hz

>800Hz

>600Hz

Description

VS9000 are high-sensitivity and low noise single axis MEMS capacitive accelerometers designed to measure acceleration (± 2g to ± 200g) and low frequency vibration from DC to 1kHz @ -5% under temperature range between -55°C to +125°C and for single shock up to 6000g. The product is ideal for a variety of aerospace, automotive, railway, R&D, OEM and test & measurement applications.

MS7000 is a generic single axis MEMS capacitive accelerometer, robust, low power and stable.