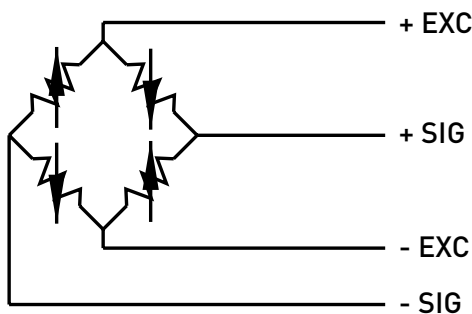
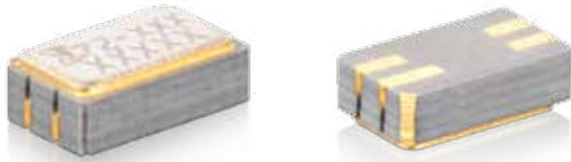




Model 72 series Piezoresistive accelerometer

Features

- 20 000 g and 60 000 g range
- Lightly damped to attenuate resonance
- DC response
- Minimal zero shift after shock
- Miniature seam sealed SMT package (0.16 grams)
- High overrange capability
- Integral ESD protection



SCHEMATIC

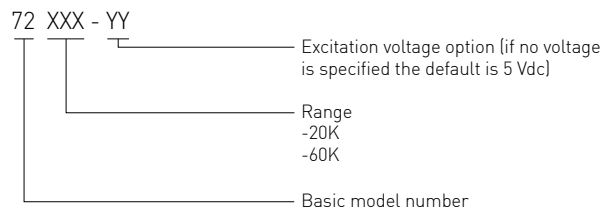
Description

The Endevco model 72 series are low mass accelerometers suitable for SMT mounting. The accelerometers are intended to be used in a wide range of acceleration, vibration, and shock applications. The model 72 features minimal mass loading, broad frequency response, minimum zero shift following a shock event and a Class 3 Rating (>4000 V – Human Body Model) for ESD Protection. For high g applications, the strength of the solder joints is not sufficient to withstand high forces, so the model 72 must be epoxied (underfilled) to the PCB, or hard potted.

The model 72 uses a unique micro-machined, piezoresistive sensor with light gas damping to attenuate resonant amplitudes, and mechanical stops to reduce breakage under overload conditions. The monolithic sensor incorporates the latest MEMS technology for ruggedness, stability and reliability to 4X overrange. The accelerometer features a four-active arm bridge circuit. With a frequency response extending down to dc (steady state acceleration) and a minimum post shock zero shift, this accelerometer is ideal for measuring long duration shocks.

U.S. Patent 6,988,412 applies to this unit.

Model number definition



Accessories

Product	Description	
126	DC amplifier, 3 channel benchtop	Optional
136	DC amplifier, 3 channel benchtop with display	Optional
436	DC amplifier, 3 channel rack mount	Optional

This product is subject to International Traffic in Arms Regulations (ITAR), and as such a license is required for shipments outside the U.S. and other restrictions may apply.

Continued product improvement necessitates that Meggitt reserve the right to modify these specifications without notice. Meggitt maintains a program of constant surveillance over all products to ensure a high level of reliability. This program includes attention to reliability factors during product design, the support of stringent Quality Control requirements, and compulsory corrective action procedures. These measures, together with conservative specifications have made the name Endevco synonymous with reliability.