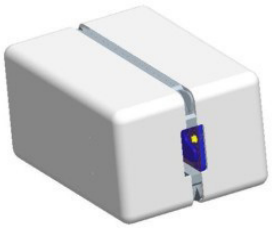
Description
Miniature magnetic vibration transducer for use in bone vibration applications



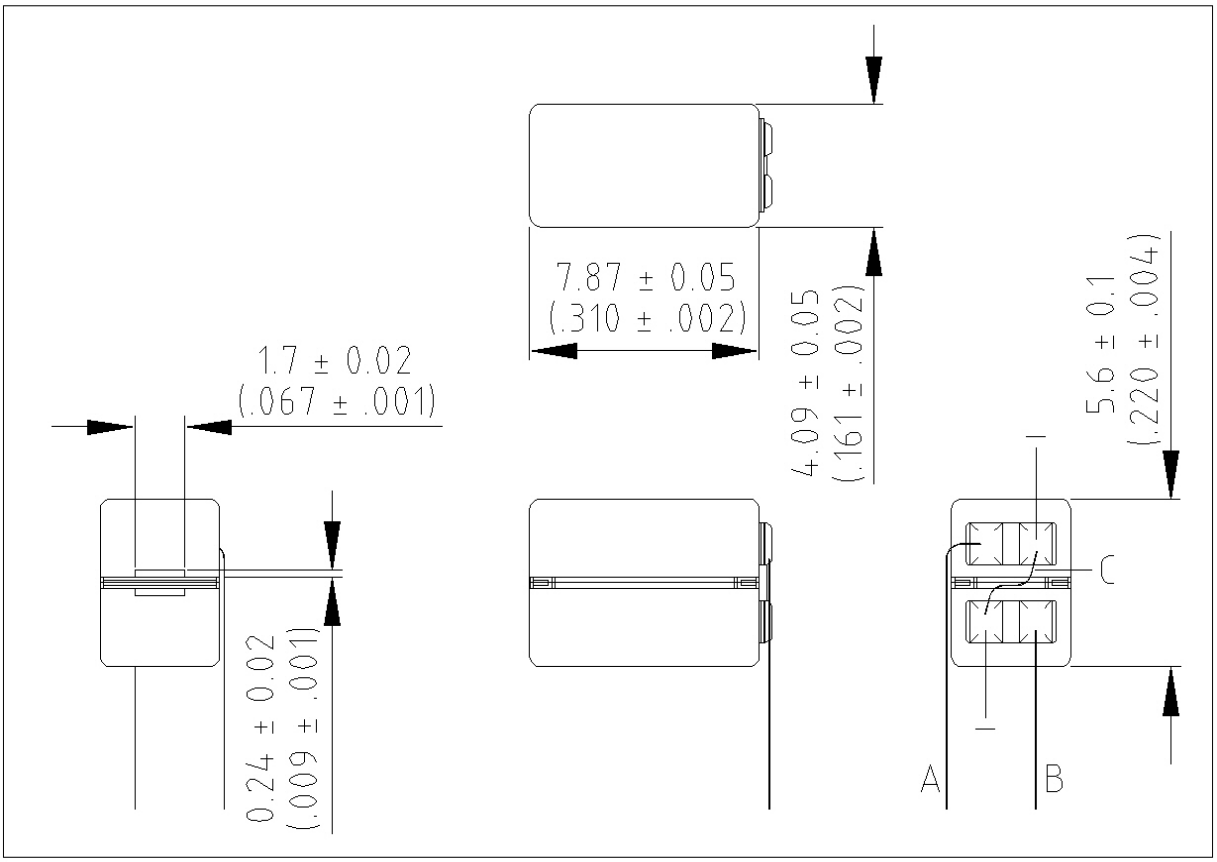
Features
- Shock protection

Mechanical data

Weight	0.60 gr.
Case material	Ni80Fe15Mo5
Solder pad material	Sn96.5Ag3.0Cu0.5
Dimensions	Refer to outline drawing

Material components
A = Litz wire Yellow 7 strands of 0.05 mm diameter, length 27 mm (1.063 inch).
B = Litz wire Red 7 strands of 0.05 mm diameter, length 27 mm (1.063 inch).
C = Solid wire 0.1mm black

Product drawing - Dimensions in mm [inch]



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Specifications

Drive is voltage drive of 1.0 V RMS unless specified otherwise, prepped in series configuration.
Vibration measurements performed on Artificial Mastoid B&K type 4930.
Environmental conditions: 23°C (73.4F), 50% RH.

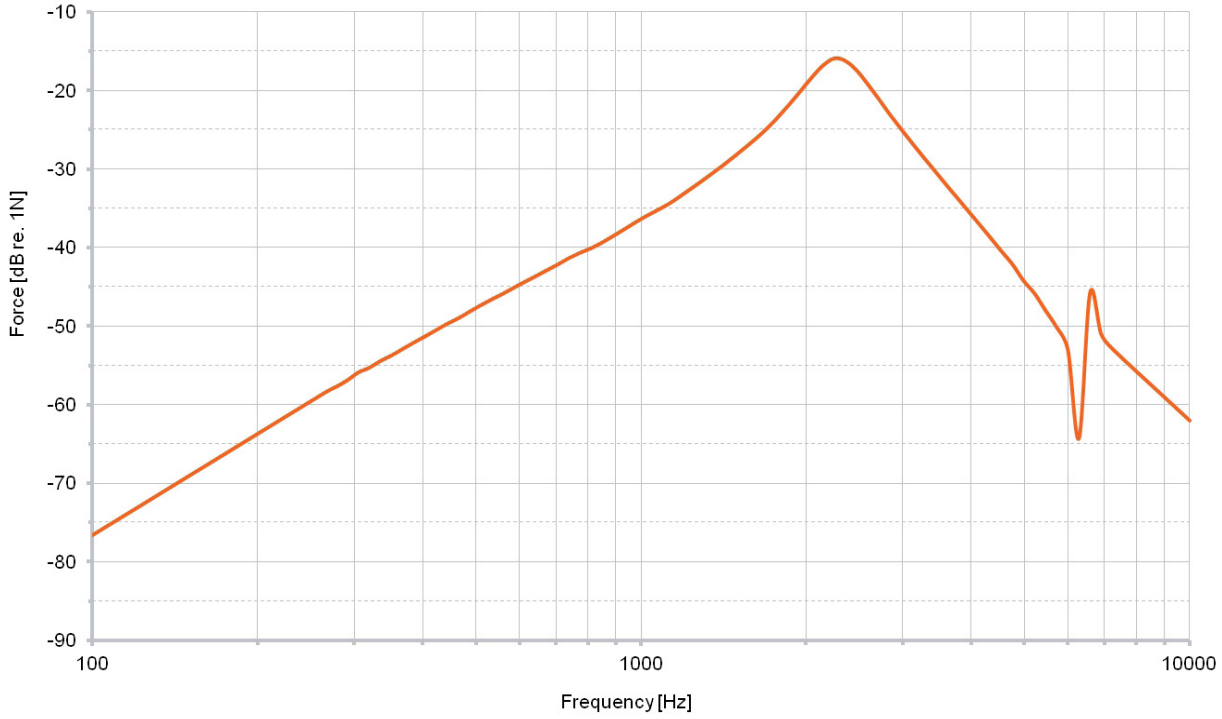
Acoustic parameters		Min	Typ	Max	Unit	Comments
Sensitivity	@ 300 Hz	-60	-55	-50	dB re. 1N	
	@ 2300 Hz	-20	-15	-10	dB re. 1N	
	@ 5000 Hz	-50	-45	-40	dB re. 1N	

Electric parameters	Min	Typ	Max	Unit	Comments
Impedance @ 1000 Hz series	100	125	150	Ohm	
Impedance @ 500 Hz series	59	75	89	Ohm	
DC resistance @ 20°C series	42	52	62	Ohm	

Additional parameters	Min	Typ	Max	Unit	Comments
Shock resistance	8000			g	90% survival rate with THD @ 1/2 peak frequency < 10%
Storage temperature range	-40		63	°C	

A positive voltage applied to the negative terminal (-) will result in an increase in pressure at the sound outlet.

Typical response curve



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