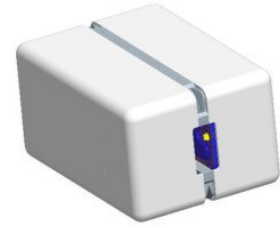


Description

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

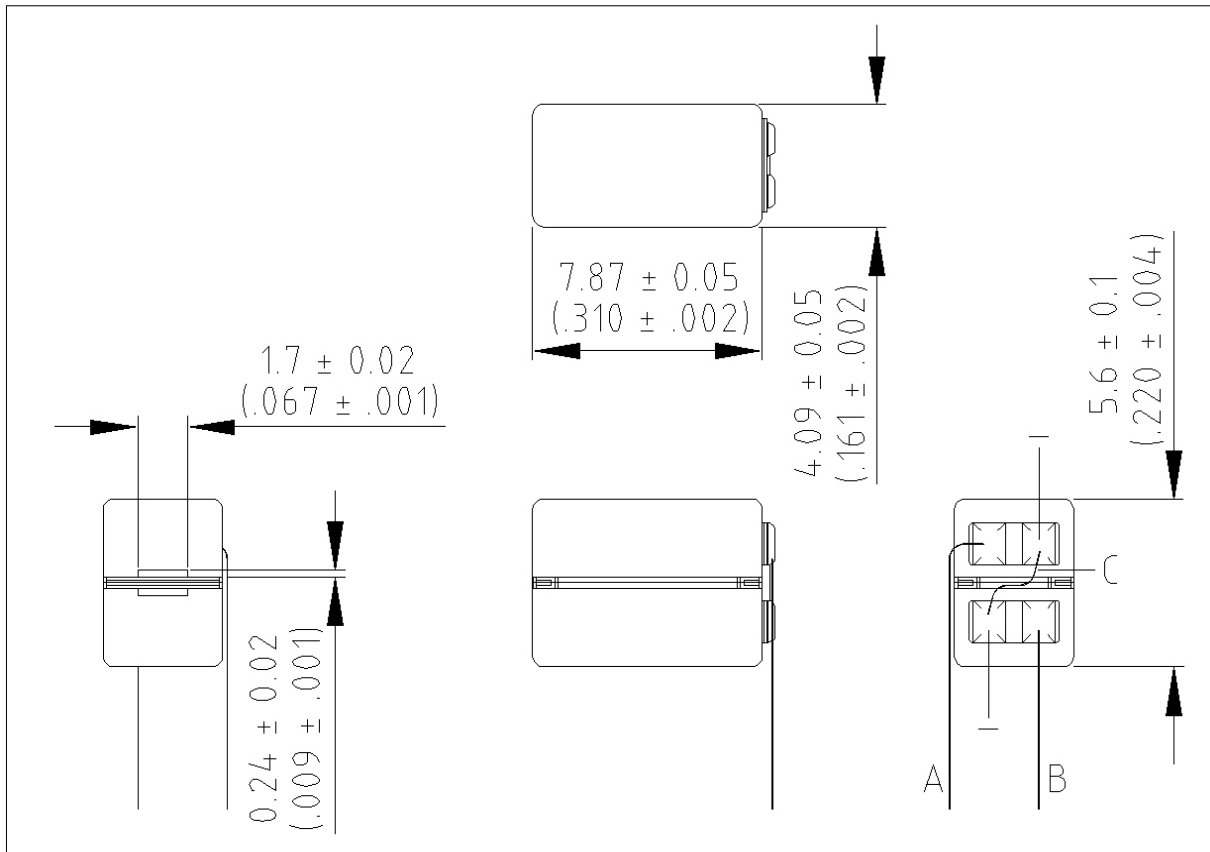
Material components

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]



Sonion reserves the right to make changes at any time to improve reliability, function or design, in order to provide the best product possible. Receivers series of this type can produce very high sound pressure levels. When such receivers are applied in hearing instruments or other communications equipment special attention should be paid to this capacity in order to prevent possible hearing damage.

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.

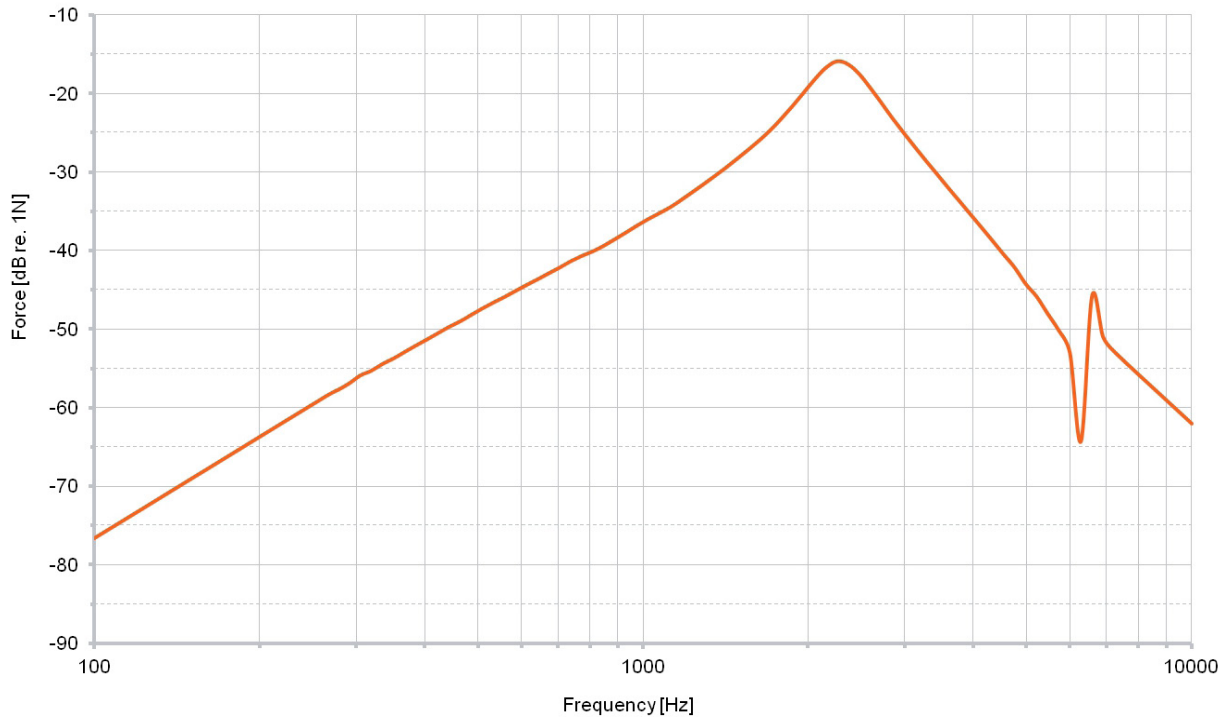
Acoustic parameters		Min	Typ	Max	Unit	Comments
Sensitivity	@ 300 Hz	-60	-55	-50	dB re. 1N	
	@ 2300 Hz	-20	-15	-10	dB re. 1N	
	@ 5000 Hz	-50	-45	-40	dB re. 1N	

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



Sonion reserves the right to make changes at any time to improve reliability, function or design, in order to provide the best product possible. Receivers series of this type can produce very high sound pressure levels. When such receivers are applied in hearing instruments or other communications equipment special attention should be paid to this capacity in order to prevent possible hearing damage.