

## Description

Subminiature magnetic receiver (Balanced Armature Type) for use in In The Canal and Completely In the Canal applications with standard response



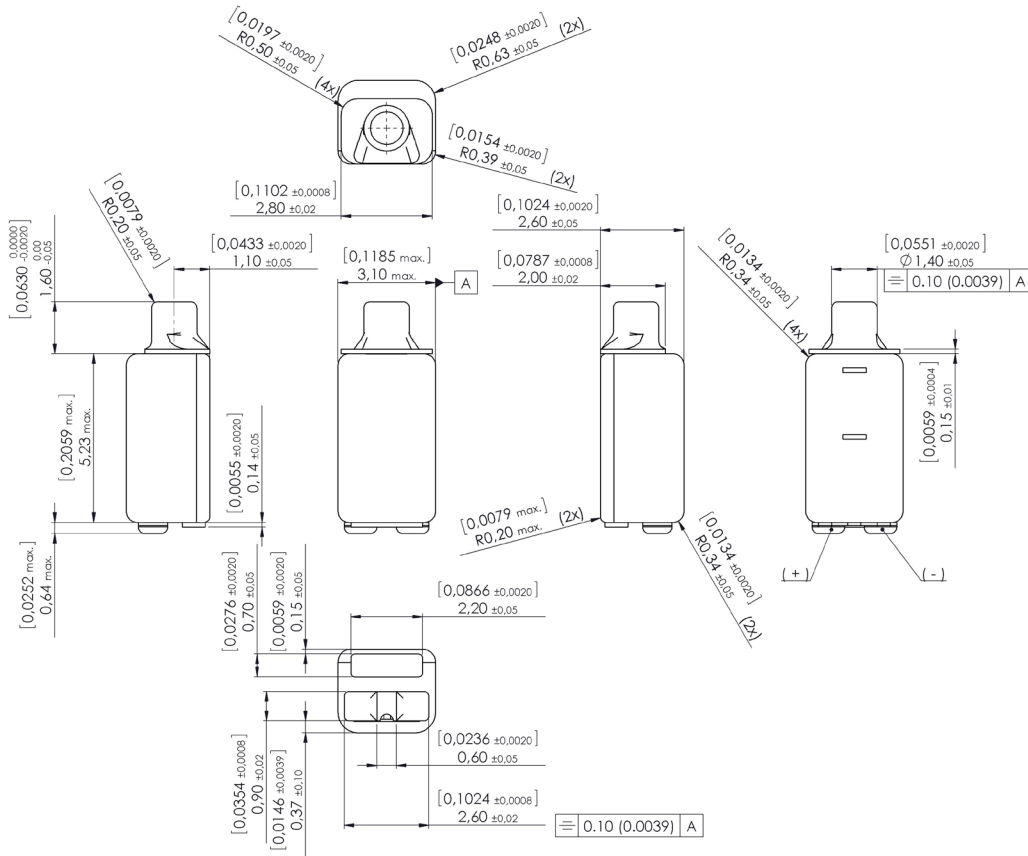
## Features

- Excellent for mini BTE, ITE, ITC and CIC applications
- Improved efficiency
- Improved maximum LF output

## Mechanical data

Weight 0.17 gr.  
 Case material Ni80Fe15Mo5  
 Solder pad material Sn96.5Ag3.0Cu0.5  
 Dimensions Refer to outline drawing

## 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

Acoustic loading: 10.0 mm of 1.0 mm diameter tubing into a 2 cc coupler.

Constant voltage drive of 0.286 V RMS (0.35 mVA @ 500 Hz).

Environmental conditions: 23°C (73.4F), 50% RH.

Parameters		Min	Typ	Max	Unit	Comments
Sensitivity	@ 200 Hz	103	106	109	dB	
	@ 500 Hz	101.5	103.5	105.5	dB	
	@ 1000 Hz	98	101	104	dB	
Peak 1	frequency	2350	2550	2750	Hz	
	output	104	107	110	dB	
Valley 1	frequency	3600	4350	5100	Hz	
	output	91	94		dB	
Peak 2	frequency	4650	5150	5650	Hz	
	output	93	96	99	dB	
THD	@ 1/3 peak			5	%	
	@ 1/2 peak			5	%	
Maximum output @ peak frequency				126	dB	@ 50 mVA input

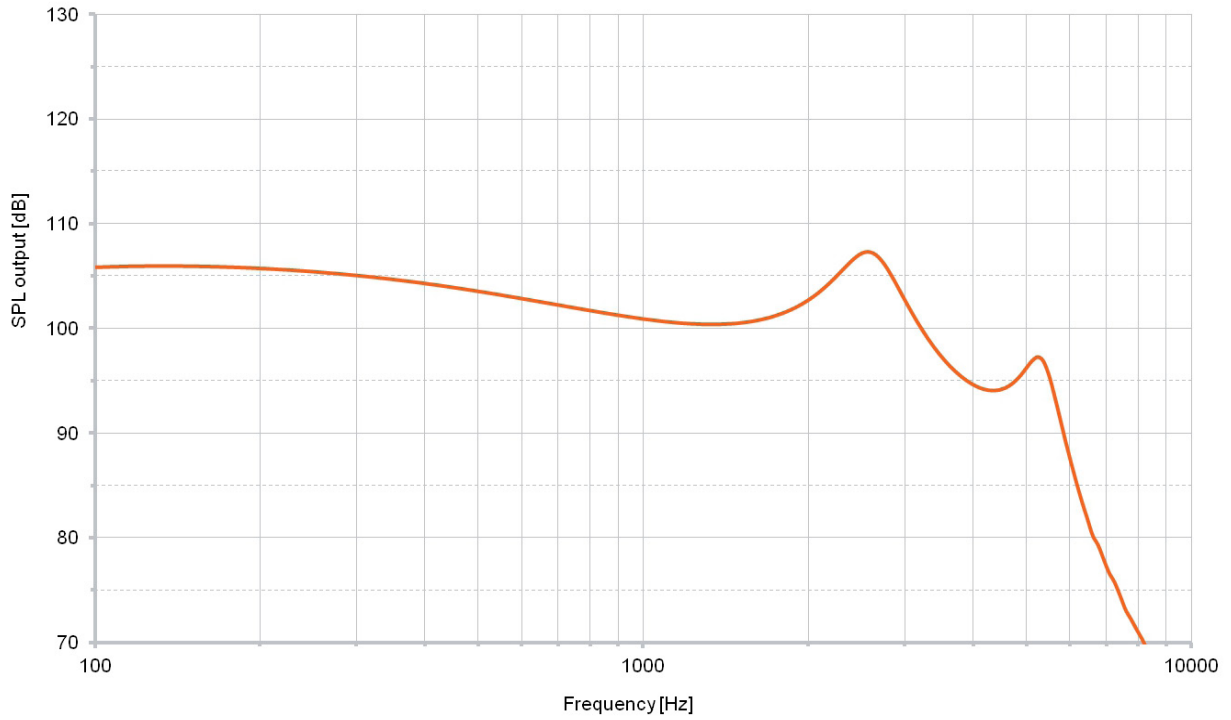
Electric parameters	Min	Typ	Max	Unit	Comments
Impedance @ 1000 Hz	320	400	480	Ohm	
Impedance @ 500 Hz	184	230	276	Ohm	
DC resistance @ 20°C	137	161	185	Ohm	
DC bias current range	zero bias				

Additional parameters	Min	Typ	Max	Unit	Comments
Shock resistance	14000			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.

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## Typical response curve



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