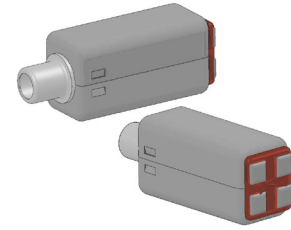


## Description

Miniature magnetic receiver (Balanced Armature Type) for use in In Ear Monitors and other audio applications.



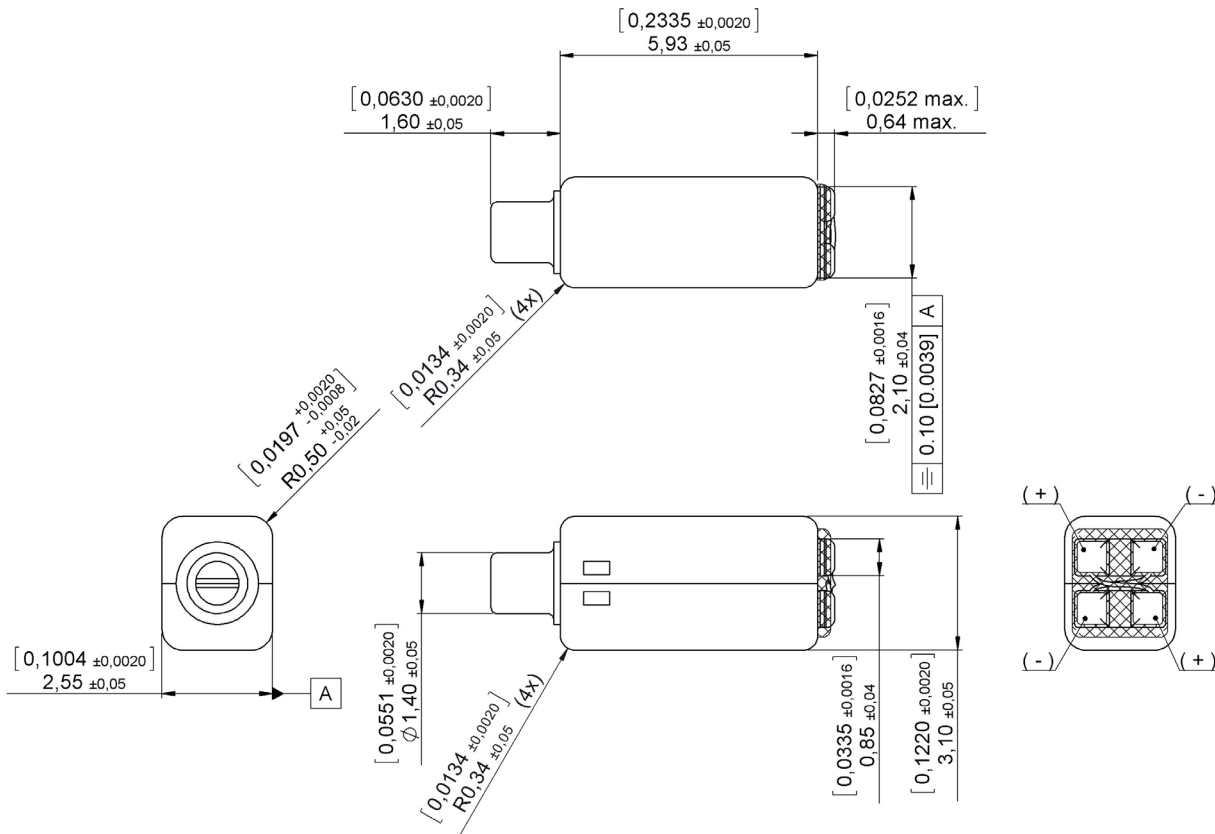
## Features

- Dual receiver, parallel connection
- Excellent sound quality, high output
- Wideband response up to 18 kHz
- Silver plated wire
- Application as (super) tweeter for multiway systems from 3 kHz and up
- Hybrid application as (super) tweeter in combination with moving coil transducer

## Mechanical data

Weight	0.20 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

The acoustic termination consist of: 4.5 x 1.4 mm ID + 11 x 1.9 mm ID into IEC 711 coupler.

Drive is voltage drive of 100 mV RMS unless specified otherwise.

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

Parameters		Min	Typ	Max	Unit	Comments
Sensitivity	@ 200 Hz	102.5	105.5	108.5	dB	
	@ 500 Hz	103	106	109	dB	
	@ 1000 Hz	105	108	111	dB	
Peak 1	frequency	3000	3200	3400	Hz	
	output	119	122	125	dB	
Valley 1	frequency	4000	4350	4700	Hz	
	output	115.5	118.5		dB	
Peak 2	frequency	5000	5500	6000	Hz	
	output	122	125	128	dB	
Valley 2	frequency	7800	8300	8800	Hz	
	output	101.5	104.5		dB	
Peak 3	frequency	9700	10500	11300	Hz	
	output	108	112	116	dB	
THD	@ 1/3 peak		2.5	7	%	
	@ 1/2 peak		2.1	7	%	
Rated power			10		mVA	
Maximum output @ peak frequency			139		dB	

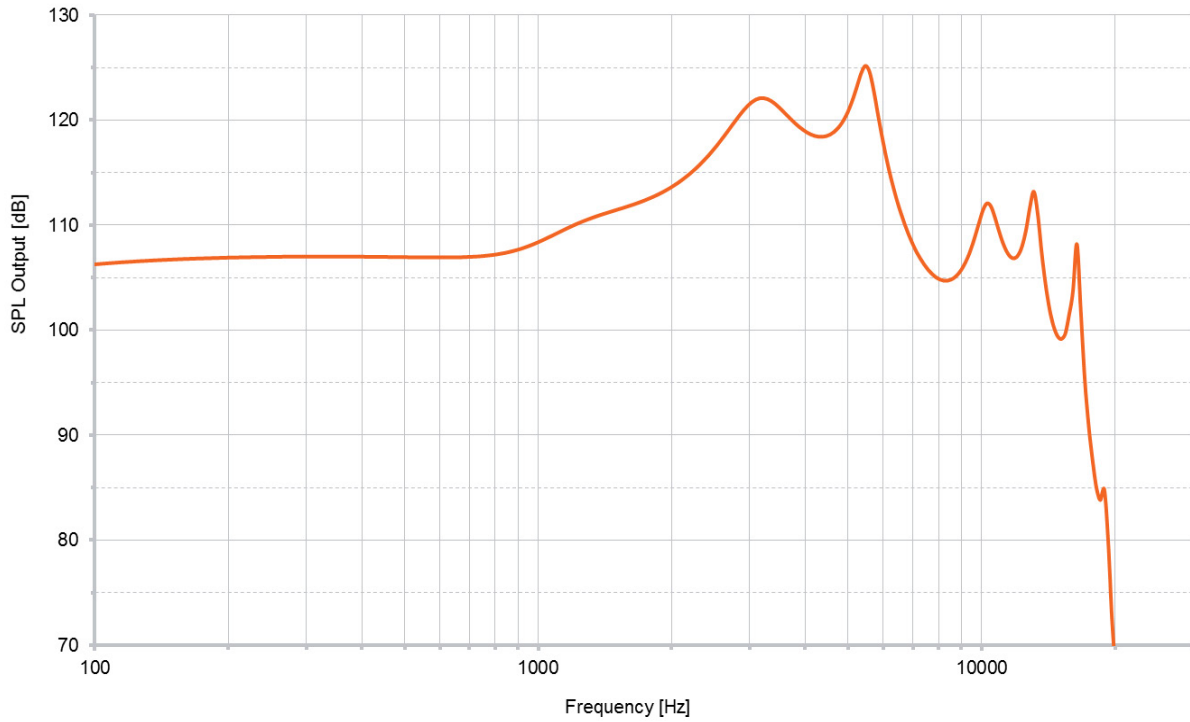
Electric parameters	Min	Typ	Max	Unit	Comments
Impedance @ 1000 Hz	5.6	7	8.4	Ohm	
Impedance @ 500 Hz	4.8	6	7.2	Ohm	
DC resistance @ 20°C	4.7	5.5	6.3	Ohm	

Additional parameters	Min	Typ	Max	Unit	Comments
Shock resistance	12000			g	90% survival rate with THD @ 1/2 peak frequency < 10%
Storage temperature range	-40		63	°C	

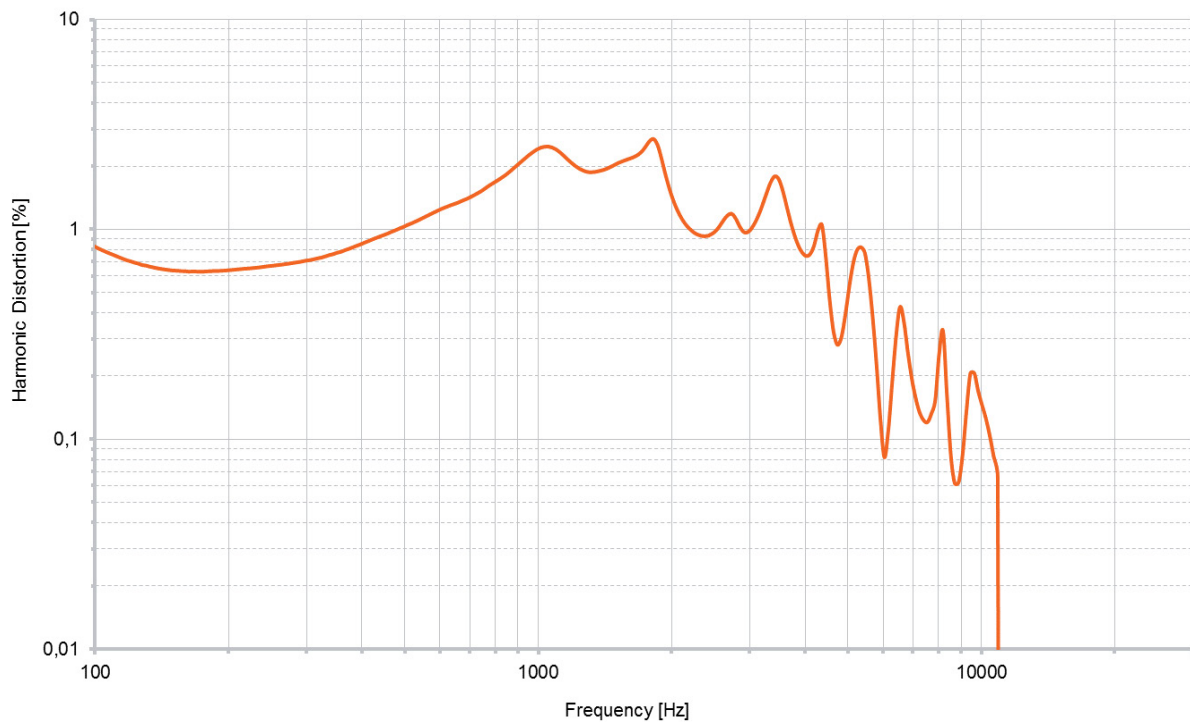
A positive voltage applied to the negative terminal (-) will result in an increase in pressure at the sound outlet.

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## Typical response curve



## THD vs Frequency, typical, nominal input



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