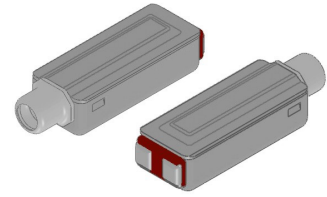


Description

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



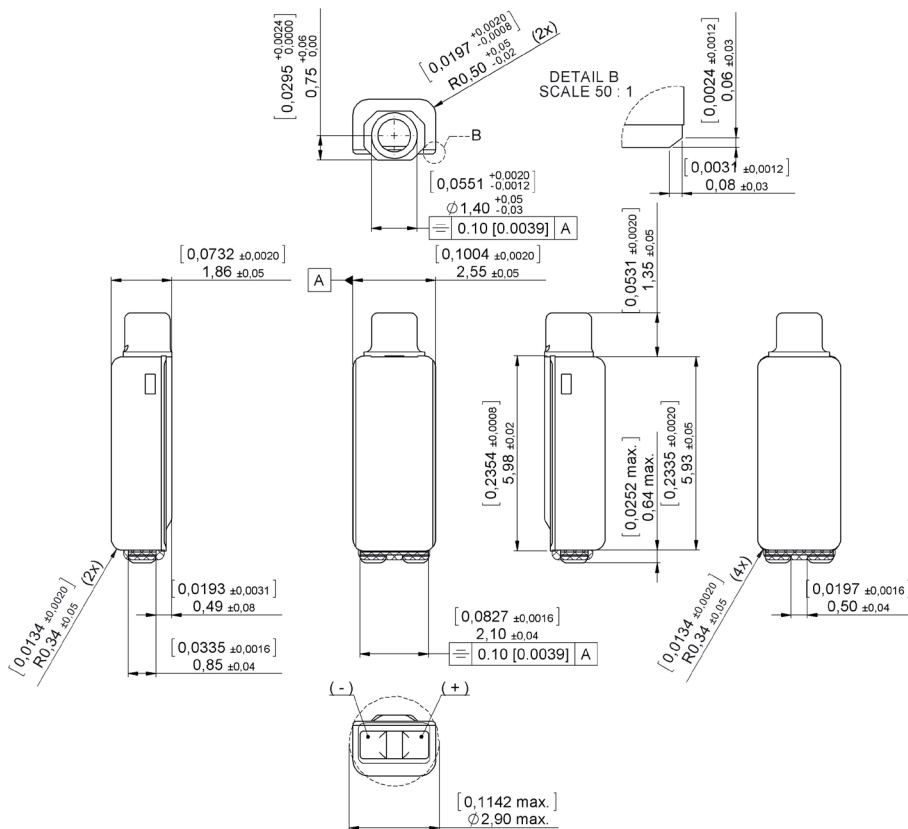
Features

- Small size BA, non vented
- Excellent sound quality
- Wideband response up to 18kHz
- Application as (super) tweeter for multiway systems from 5kHz and up
- Hybrid application as (super) tweeter in combination with Moving Coil transducer

Mechanical data

Weight	0.12 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: 11x1.9mmID + 4.5 x 1.4 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	97.5	100.5	103.5	dB	
	@ 500 Hz	97.5	100.5	103.5	dB	
	@ 1000 Hz	99	102	105	dB	
Peak 1	frequency	3150	3350	3550	Hz	
	output	113.5	116.5	119.5	dB	
Valley 1	frequency	4125	4475	4825	Hz	
	output	110	113		dB	
Peak 2	frequency	5050	5550	6050	Hz	
	output	116.5	119.5	122.5	dB	
Valley 2	frequency	8025	8525	9025	Hz	
	output	95	98		dB	
Peak 3	frequency	10025	10825	11625	Hz	
	output	103	107	111	dB	
THD	@ 1/3 peak		2.6	7	%	
	@ 1/2 peak		3.5	7	%	
Maximum output @ peak frequency					dB	@ 50 mVA input

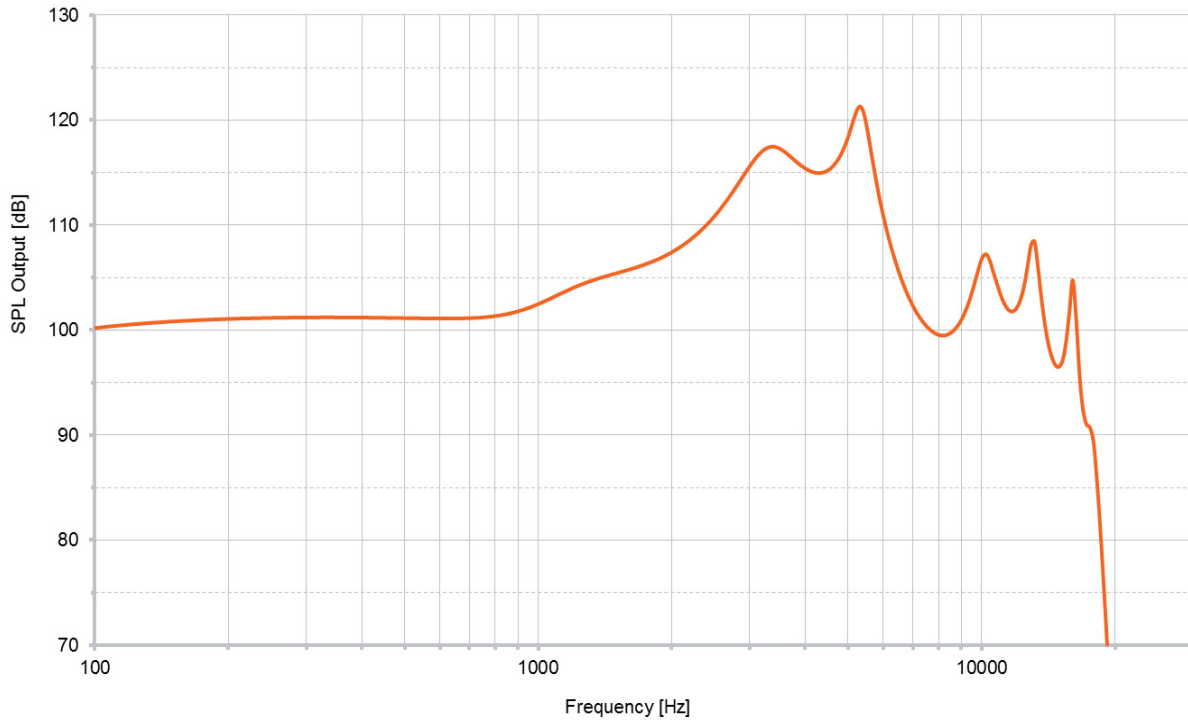
Electric parameters	Min	Typ	Max	Unit	Comments
Impedance @ 1000 Hz	11.2	14	16.8	Ohm	
Impedance @ 500 Hz	9.6	12	14.4	Ohm	
DC resistance @ 20°C	8.5	10	11.5	Ohm	

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	

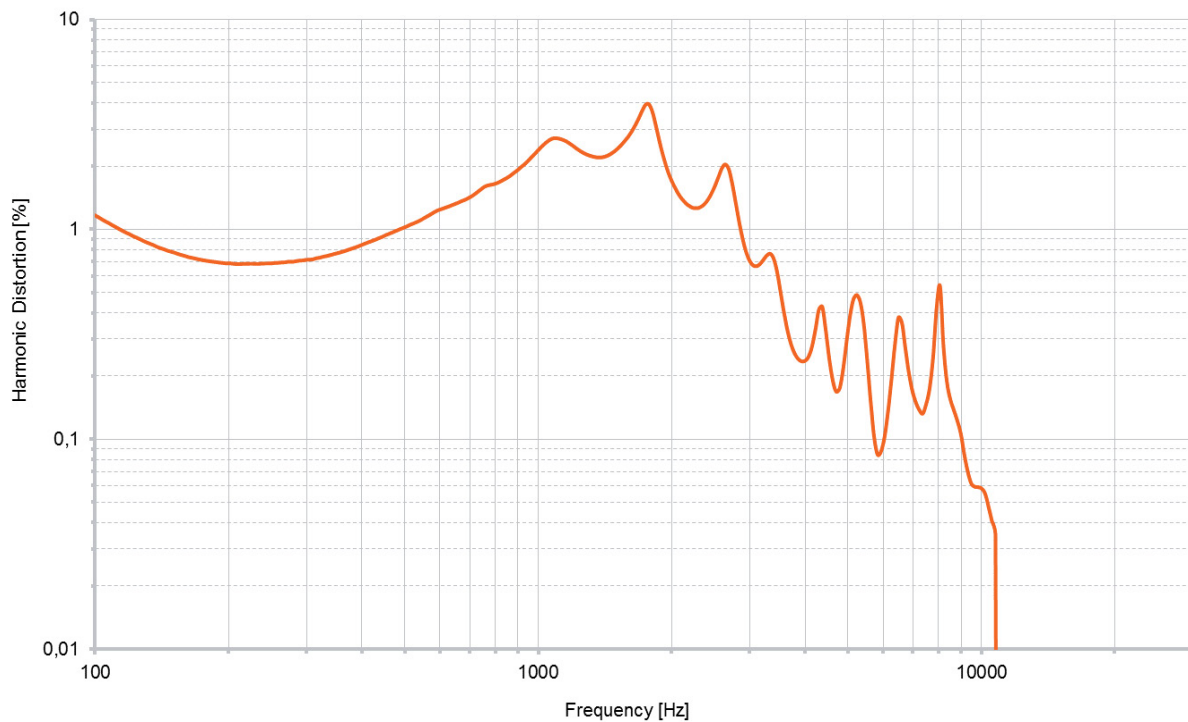
A positive voltage applied to the negative terminal (-) will result in an increase in pressure at the sound outlet.

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Typical response curve



THD vs Frequency, typical, nominal input



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