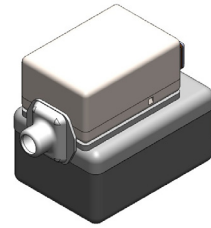


## Description

IEM sub assembly based on a 17A012/9 receiver and a 2331 receiver.

## Features

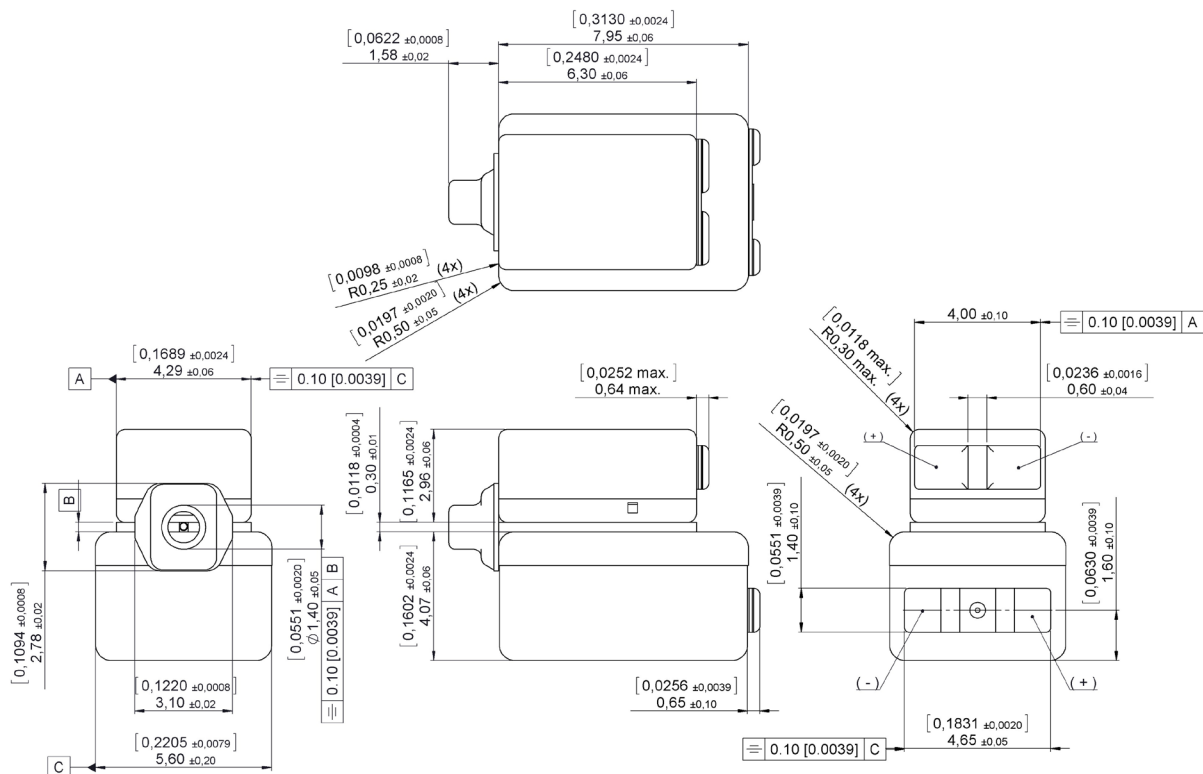
- 2 Way module with tuned vent woofer for improved bass
- AcuPass™ low pass filter on woofer
- Tuneable, requires external electronic cross over



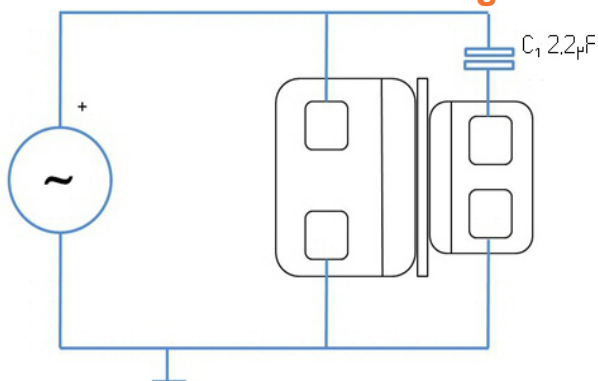
## Mechanical data

Weight	1.10 gr.
Case material	Ni80Fe15Mo5
Solder pad material	Sn96.5Ag3.0Cu0.5
Dimensions	Refer to outline drawing

## Product drawing - Dimensions in mm [inch]



## Electrical scheme for testing



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. Test condition is with a 2 $\mu$ F capacitor connected to the input of the 2331 unless stated otherwise.

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

Acoustic parameters 1723 Acupass		Min	Typ	Max	Unit	Comments
Sensitivity	@ 30 Hz	112	114.5	117	dB	
	@ 200 Hz	109	111.5	114	dB	
	@ 500 Hz	106.5	109	111.5	dB	
	@ 1000 Hz	106.5	109	111.5	dB	
	@ 5000 Hz	115.5	119	122.5	dB	
	@ 7500 Hz	102	105.5	109	dB	
Peak 1	frequency	1900	2100	2300	Hz	
	output	113	116	119	dB	
Valley 1	frequency	2400	3000	3600	Hz	
	output	110.5	114		dB	
Peak 2	frequency	7900	8700	9500	Hz	
	output	108.5	111.5	114.5	dB	
THD	@ 700 Hz-100 mV		2.5	3.5	%	
	@ 1050 Hz-100 mV		1.2	3	%	
Maximum output @ peak frequency			140		dB	@ 100 mVA input

Electric parameters 17A012/9	Min	Typ	Max	Unit	Comments
Impedance @ 1000 Hz	75.2	94	112.8	Ohm	
Impedance @ 500 Hz	52	65	78	Ohm	
DC resistance @ 20°C	35	41.5	48	Ohm	

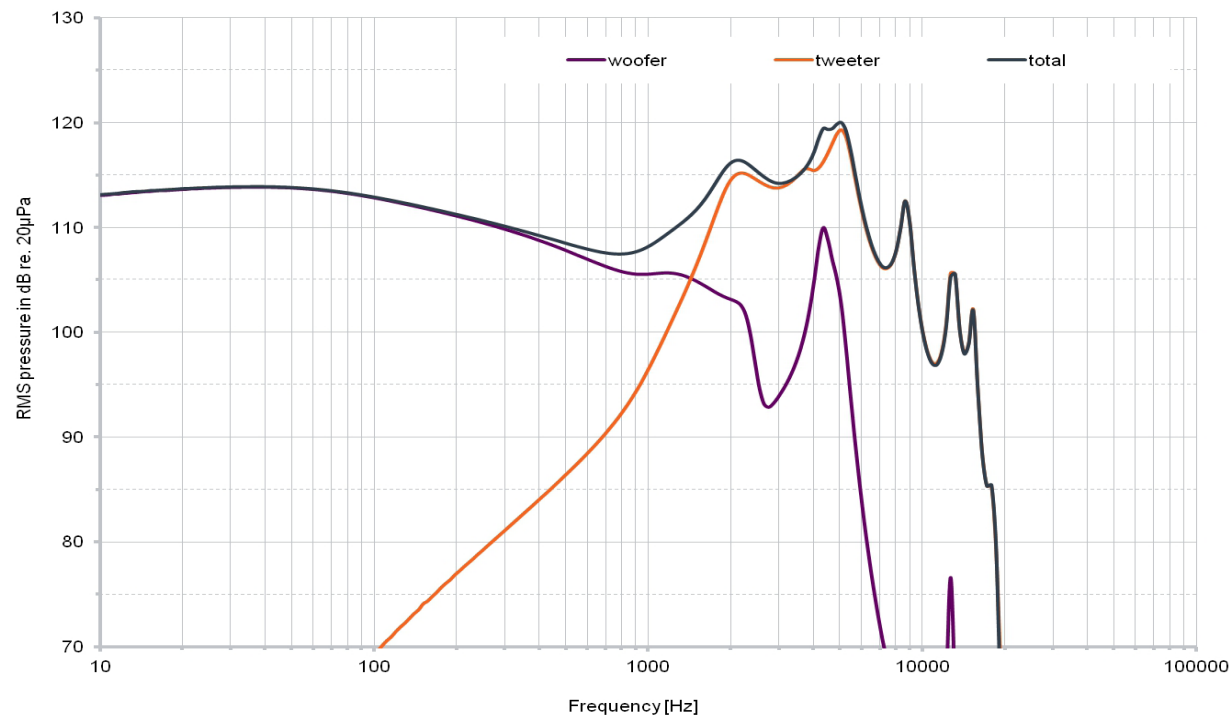
Electric parameters 2331	Min	Typ	Max	Unit	Comments
Impedance @ 1000 Hz	17.6	22	26.4	Ohm	
Impedance @ 500 Hz	14.4	18	21.6	Ohm	
DC resistance @ 20°C	13.6	16	18.4	Ohm	

Additional parameters	Min	Typ	Max	Unit	Comments
Shock resistance	10000			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

