Data Sheet

Receiver 2354



Description

Subminiature magnetic receiver (Balanced Armature Type) for use in In The Ear applications.

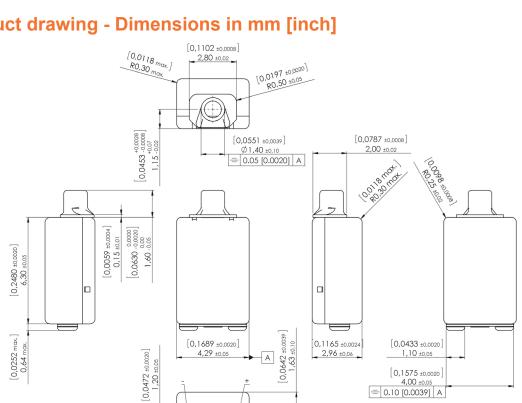
Features

- Wide band response
- Improved low frequency output by venting
- Improved shock performance
- Tuned venting

Mechanical data

Weight 0.34 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.

P

do not obstruct the venthole

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SpecificationsThe acoustic termination consist of: 4.5 x 1.4 mm ID + 11x1.9 mm ID into a B&K 4157 (IEC 711) coupler, open vent. Constant current drive of 5.92 mA RMS (0.35 mVA at 1000 Hz) unless specified otherwise. Environmental conditions: 23°C (73.4F), 50% RH.

Acoustic parameters		Min	Тур	Max	Unit	Comments
Sensitivity	@ 30 Hz	106	108.5	111	dB	
	@ 200 Hz	105.5	107.5	109.5	dB	
	@ 500 Hz	104.5	106.5	108.5	dB	
	@ 1000 Hz	107	109	111	dB	
	@ 15500 Hz	96	102		dB	
Peak 1	frequency	2150	2350	2550	Hz	
	output	123.5	125.5	127.5	dB	
Valley 1	frequency	3200	3550	3900	Hz	
	output	115.5	118		dB	
Peak 2	frequency	4400	4900	5400	Hz	
	output	125	128	131	dB	
Valley 2	frequency	6500	7000	7500	Hz	
	output	108	111		dB	
Peak 3	frequency	8000	8600	9200	Hz	
	output	117	120	123	dB	
THD	@ 1/3 peak		8	10	%	
	@ 1/2 peak		2.3	8	%	
Maximum output @ peak frequency			138		dB	@ 50 mVA input power

Electric parameters	Min	Тур	Max	Unit	Comments
Impedance @ 1000 Hz	8	10	12	Ohm	
Impedance @ 500 Hz	4.8	6	7.2	Ohm	
DC resistance @ 20°C	3.4	4	4.6	Ohm	
DC bias current range	zero bias				

Additional parameters	Min	Тур	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.

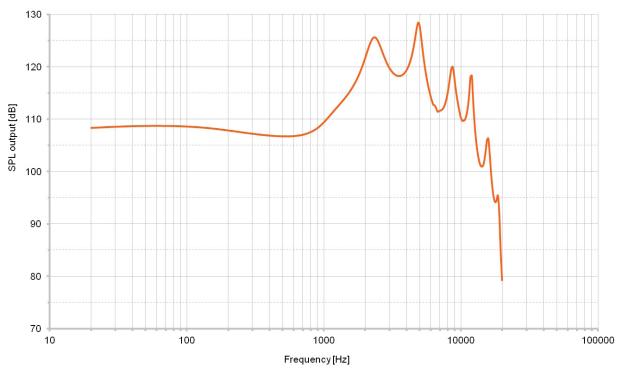
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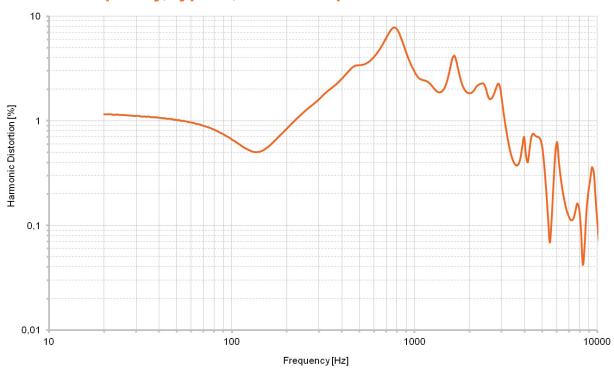




Typical response curve



THD vs Frequency, typical, nominal input



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Version date