Description

miniature magnetic receiver (balanced armature type) for use in hearing aids and advanced audio applications

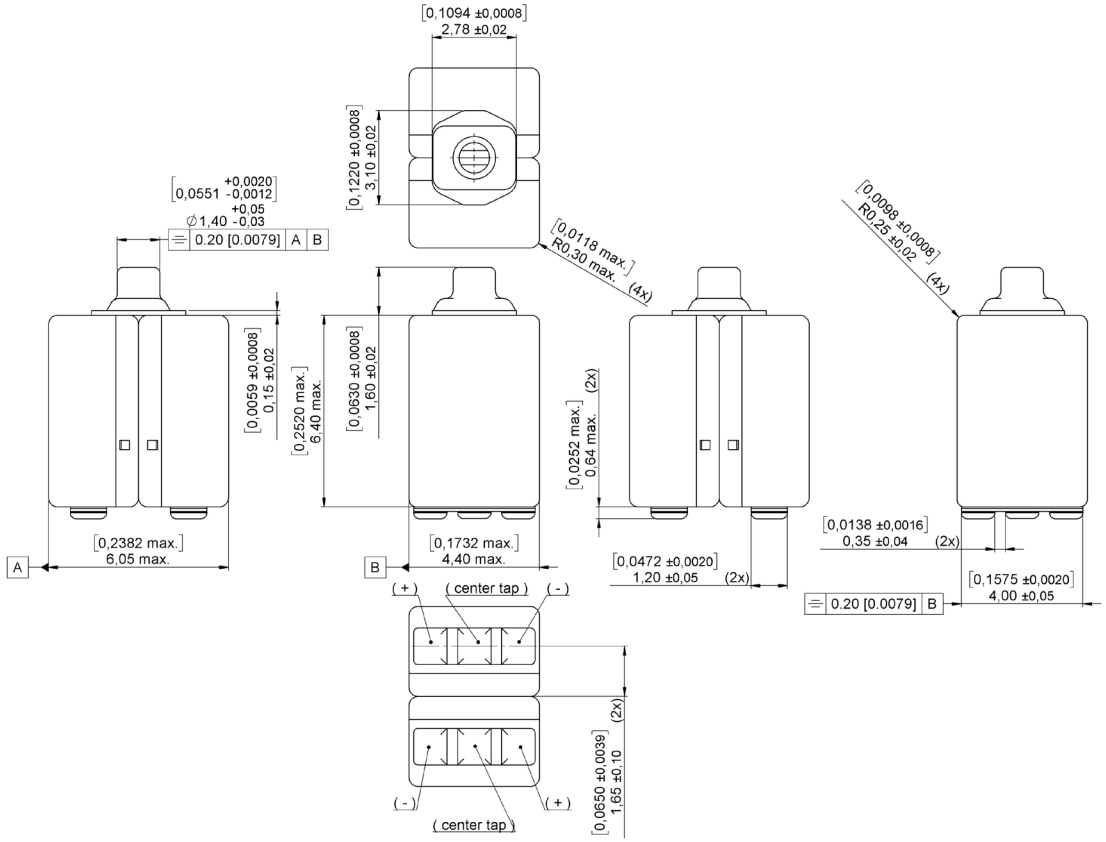
Features

- Dual receiver
- Wideband response
- Ideal as dual midrange or dual tweeter in IEM applications

Mechanical data

Weight	0.68 gr.
Case material	Ni80Fe15Mo5
Solder pad material	Sn96.5Ag3.0Cu0.5
Dimensions	Refer to outline drawing

Product drawing - Dimensions in mm [inch]



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Specifications

The acoustic termination consist of: 11x1.9mmID + 4.5 x 1.4 mm ID into IEC 711 coupler. Drive is voltage drive of 0.100 Vrms series or 0.050 Vrms parallel unless specified otherwise.
Environmental conditions: 23°C (73.4F), 50% RH.

Acoustic parameters		Min	Typ	Max	Unit	Comments
Sensitivity	@ 100 Hz	114	117	120	dB	
	@ 200 Hz	113.5	116.5	119.5	dB	
	@ 500 Hz	112	115	118	dB	
	@ 1000 Hz	111	114	117	dB	
Peak 1	frequency	2200	2400	2600	Hz	
	output	123.5	125.5	127.5	dB	
Valley 1	frequency	3300	3650	4000	Hz	
	output	114	116.5		dB	
Peak 2	frequency	4100	4600	5100	Hz	
	output	120	123	126	dB	
Valley 2	frequency	6750	7250	7750	Hz	
	output	97	100		dB	
Peak 3	frequency	8400	9000	9600	Hz	
	output	106	109	112	dB	
THD	@ 1/3 peak		0.9	5	%	
	@ 1/2 peak		0.5	5	%	
Rated power			10		mVA	
Maximum output @ peak frequency			145		dB	@ 100 mVA

Electric parameters	Min	Typ	Max	Unit	Comments
Impedance @ 1000 Hz parallel	4	5	6	Ohm	
Impedance @ 1000 Hz series	16	20	24	Ohm	
Impedance @ 500 Hz parallel	2.4	3	3.6	Ohm	
Impedance @ 500 Hz series	9.6	12	14.4	Ohm	
DC resistance @ 20°C parallel	1.7	2	2.3	Ohm	
DC resistance @ 20°C series	6.8	8	9.2	Ohm	

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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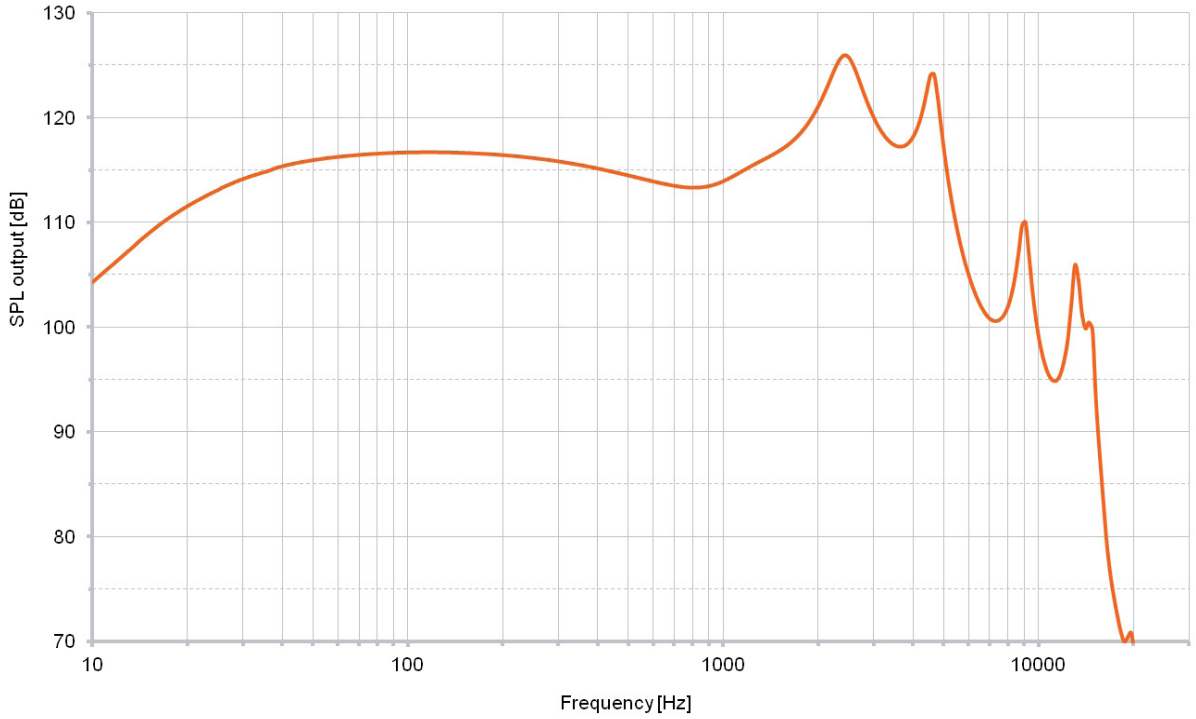
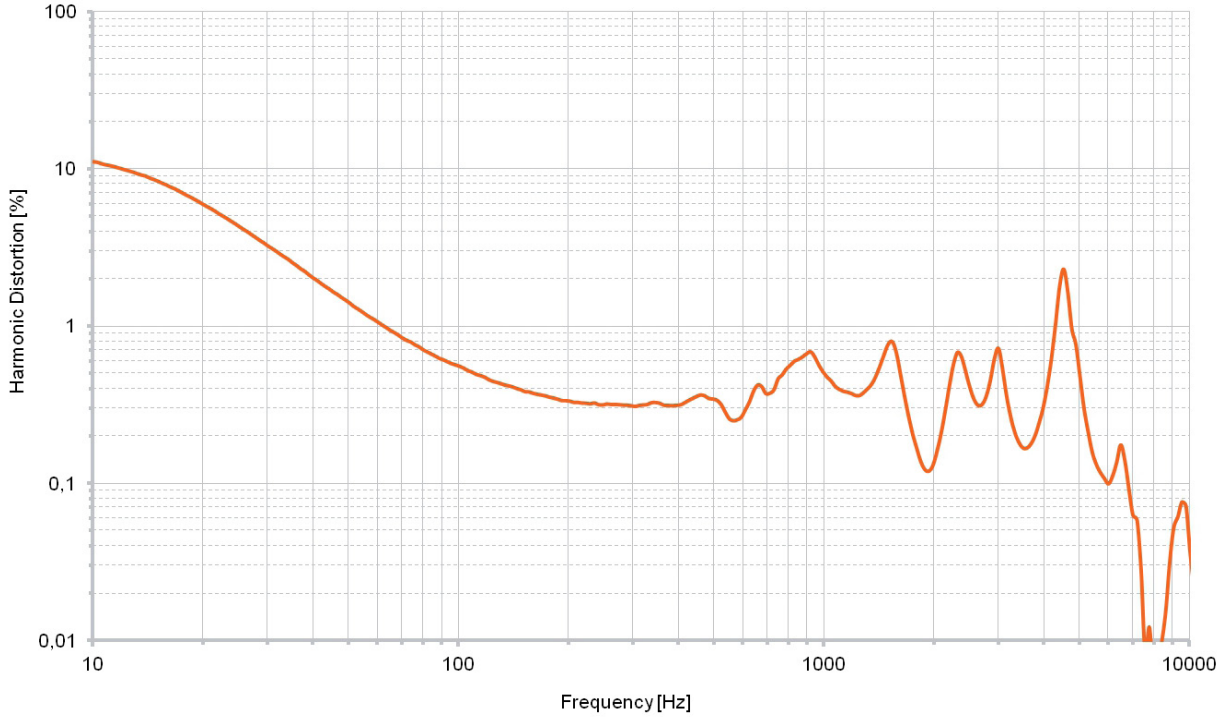
Typical response curve



THD vs Frequency, typical, nominal input



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