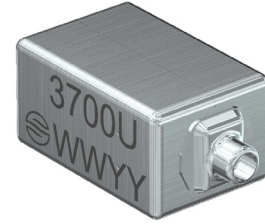


Description

Miniature magnetic receiver (balanced armature type) for use in hearing aids.

Features

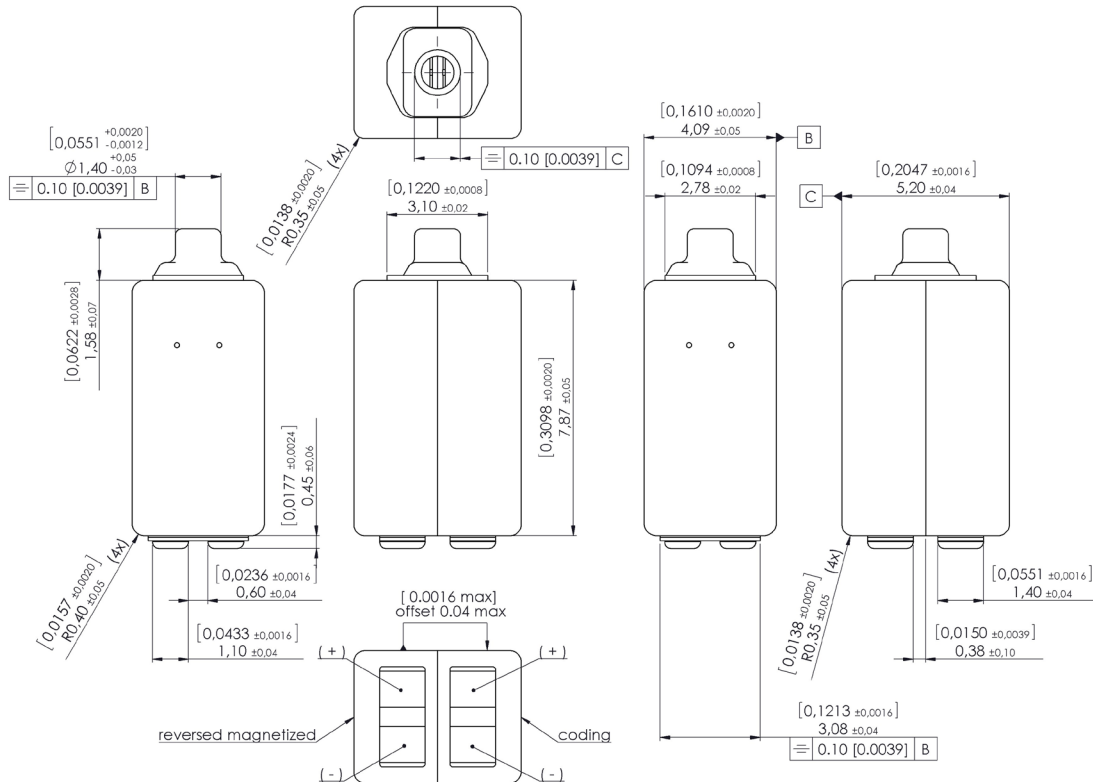
- Perfect for higher power premium BTE applications
- Tandem, twin-motor performance
- Significantly reduced mechanical vibration
- Reduced magnetic radiation
- Reduced thickness compared to standard 3300 receiver



Mechanical data

Weight	0.55 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 consists of: 8 mm x 1 mm ID + 28 mm x 1.5 mm ID + 25 mm x 2 mm ID + 18 mm x 3 mm ID + 2 cc coupler. Drive is voltage drive of RMS 0.7 mVA at 500 Hz unless specified otherwise. Environmental conditions: 23 °C (73.4F), 50% RH.

Acoustic parameters	Min	Typ	Max	Unit	Comments	
Sensitivity	@ 200 Hz	112.5	115.5	118.5	dB	
	@ 300 Hz	112.5	115.5	118.5	dB	
	@ 500 Hz	113	116	119	dB	
Peak 1	frequency	800	950	1100	Hz	
	output	121	123.5	126	dB	
Valley 1	frequency	1400	1650	1900	Hz	
	output	110	112.5		dB	
Peak 2	frequency	1950	2150	2350	Hz	
	output	117.5	120	122.5	dB	
Valley 2	frequency	2600	2850	3100	Hz	
	output	106.5	109		dB	
Peak 3	frequency	3000	3300	3600	Hz	
	output	114	116.5	119	dB	
Valley 3	frequency	3800	4050	4300	Hz	
	output	102	106		dB	
Peak 4	frequency	4150	4450	4750	Hz	
	output	106.5	109.5	112.5	dB	
Valley 4	frequency	5050	5300	5550	Hz	
	output	92	95		dB	
Peak 5	frequency	5350	5750	6150	Hz	
	output	96.5	100	103.5	dB	
THD	@ 1/3 peak			5	%	
	@ 1/2 peak			5	%	
Maximum output @ peak frequency			143		dB	@ 100 mVA input

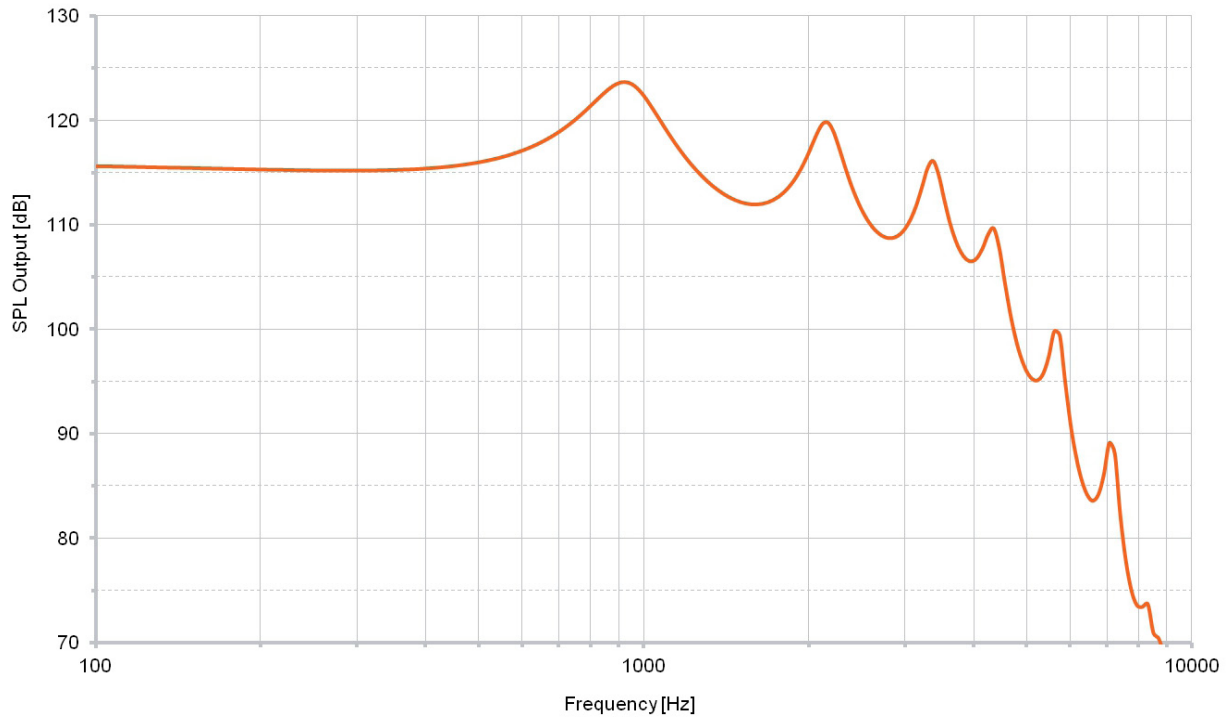
Electric parameters	Min	Typ	Max	Unit	Comments
Impedance @ 1000 Hz parallel	34	43	52	Ohm	
Impedance @ 1000 Hz series	136	172	208	Ohm	
Impedance @ 500 Hz parallel	30	37	44	Ohm	
Impedance @ 500 Hz series	120	148	176	Ohm	
DC resistance @ 20°C parallel	22	26	29	Ohm	
DC resistance @ 20°C series	88	102	116	Ohm	

Additional parameters	Min	Typ	Max	Unit	Comments
Shock resistance	8000			g	90% survival rate with THD @ 1/2 peak frequency < 10%
Storage temperature range	-40		63	°C	

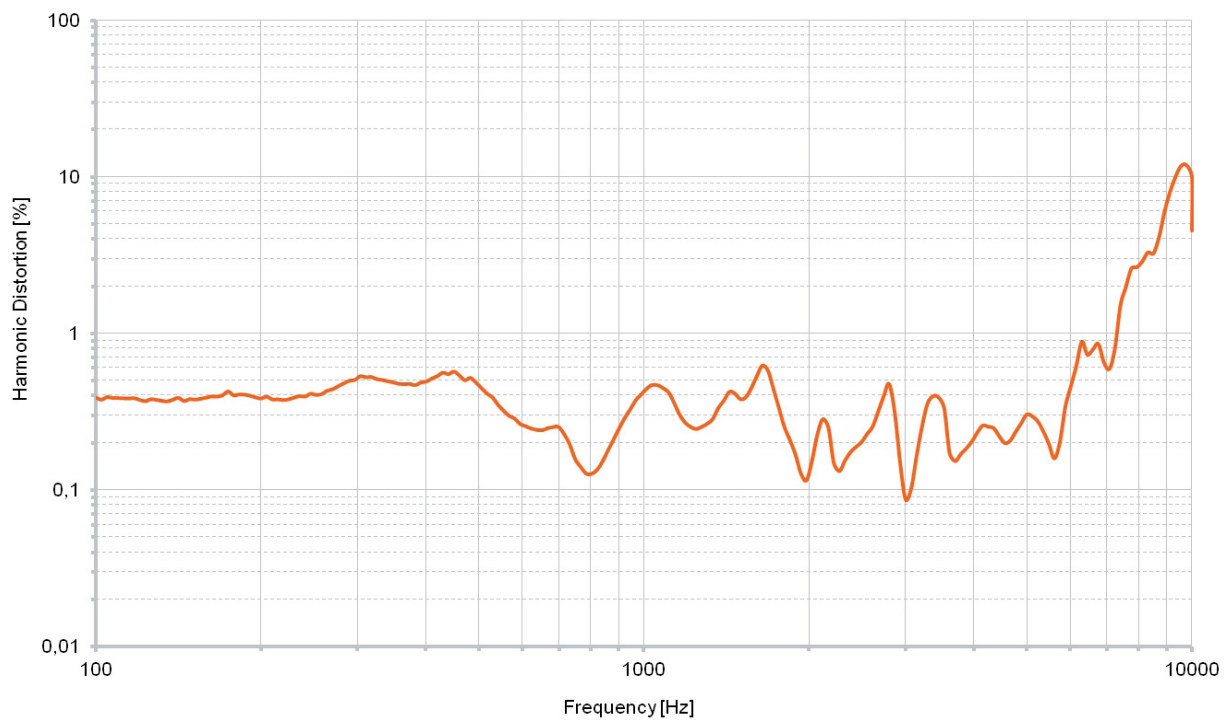
A positive voltage applied to the negative terminal (-) will result in an increase in pressure at the sound outlet.

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Typical response curve



THD vs Frequency, typical, nominal input



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