Data Sheet

Receiver 17A007/9

Description

Miniature magnetic receiver (balanced armature type) for use in hearing instruments and advanced audio applications.

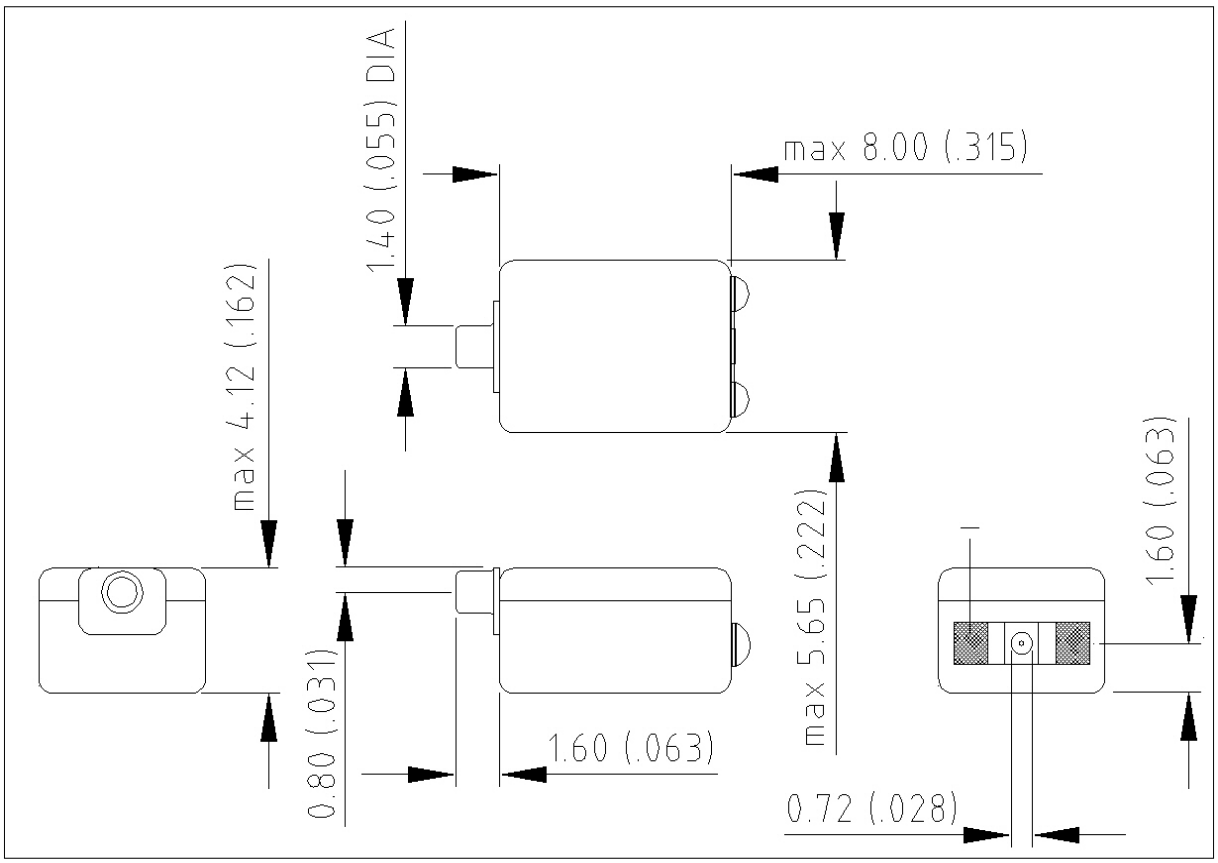
Features

- Extended bass by tuned back vent and inductive coil
- Ideal for use as woofer in multiple receiver IEM applications

Mechanical data

Weight	0.69 gr.
Case material	Ni80Fe20
Solder pad material	Sn96.5Ag3.0Cu0.5
Dimensions	Refer to outline drawing

Product drawing - Dimensions in mm [inch]



DK: +45 4630 6666
USA: +1 952 543 8300
PRC: +86 512 6832 3401
NL: +31 20 6068 100

RoHS 2011/65/EU

Item-Configuration number: 3170-3021440
Version: 1
Version date 27-Aug-2010

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 0.100 V RMS unless specified otherwise.
Environmental conditions: 23°C (73.4F), 50% RH.

Acoustic parameters		Min	Typ	Max	Unit	Comments
Sensitivity	@ 30 Hz	111.5	114	116.5	dB	
	@ 100 Hz	110.5	113	115.5	dB	
	@ 400 Hz	107	109.5	112	dB	
	@ 1000 Hz	106	108.5	111	dB	
Peak 1	frequency	2200	2400	2600	Hz	
	output	117	120	123	dB	
Valley 1	frequency	3450	3700	3950	Hz	
	output	107.5	110.5		dB	
Peak 2	frequency	4500	4750	5000	Hz	
	output	115	118	121	dB	
Valley 2	frequency	6900	7150	7400	Hz	
	output	93.5	96.5		dB	
Peak 3	frequency	8250	8550	8850	Hz	
	output	99	104	109	dB	
THD	@ 1/3 peak		2.6	5	%	
	@ 1/2 peak		1	5	%	
Maximum output @ peak frequency		137	138		dB	@ 50 mVA input

Electric parameters	Min	Typ	Max	Unit	Comments
Impedance @ 1000 Hz	44.8	56	67.2	Ohm	
Impedance @ 500 Hz	28.8	36	43.2	Ohm	
DC resistance @ 20°C	21.3	25	28.8	Ohm	

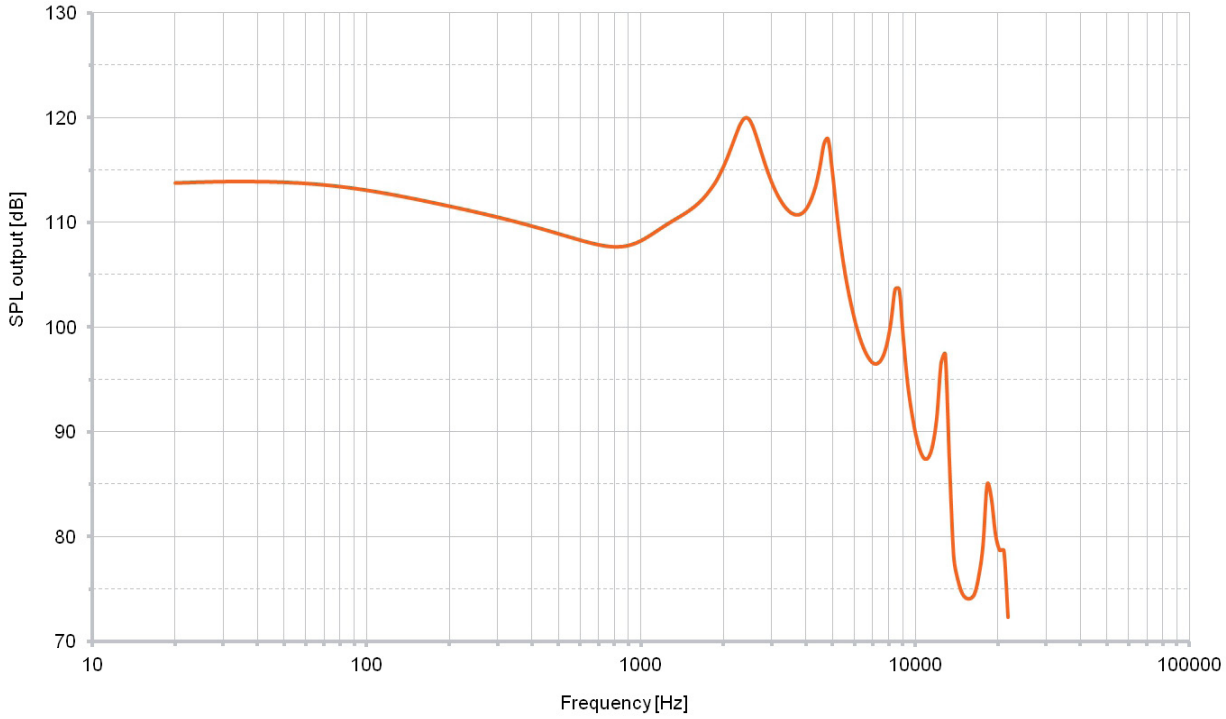
Additional parameters	Min	Typ	Max	Unit	Comments
Shock resistance	13000			g	90% survival rate with THD @ 1/2 peak frequency < 10%
Storage temperature range	-40		63	°C	

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

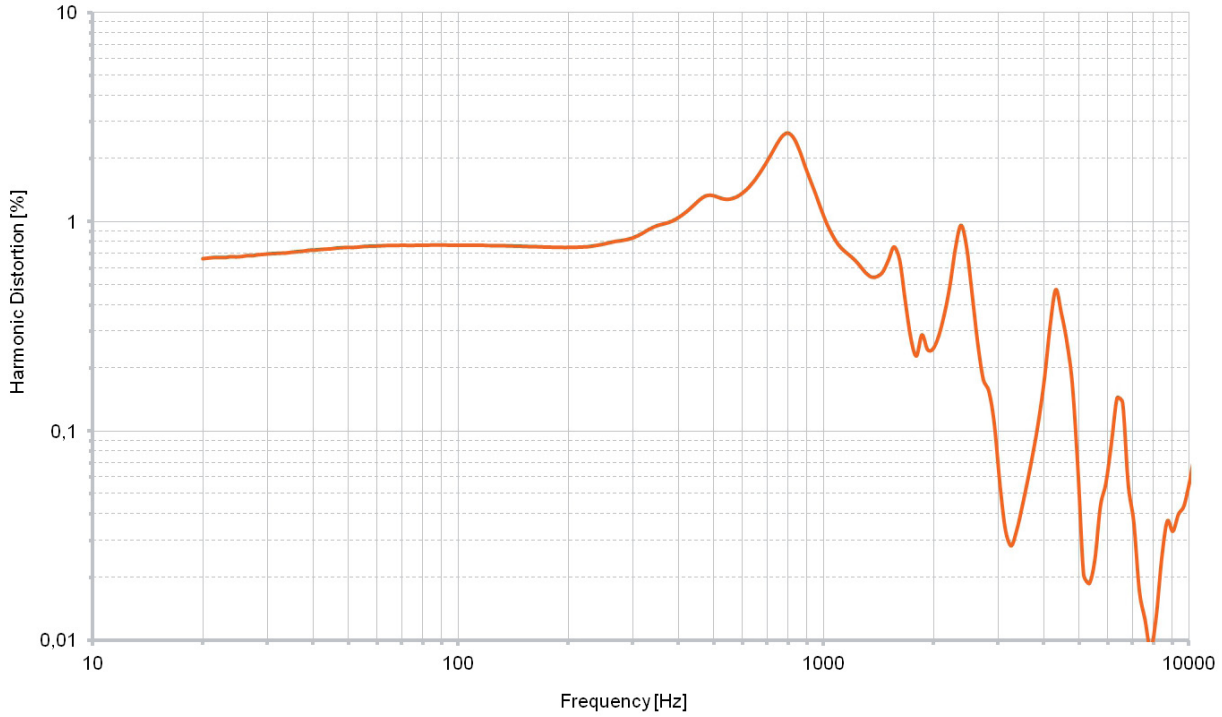
DK: +45 4630 6666
USA: +1 952 543 8300
PRC: +86 512 6832 3401
NL: +31 20 6068 100

RoHS 2011/65/EU

Typical response curve



THD vs Frequency, typical, nominal input



DK: +45 4630 6666
USA: +1 952 543 8300
PRC: +86 512 6832 3401
NL: +31 20 6068 100

RoHS 2011/65/EU