Data Sheet

RoHS 2002/95/EC

receiver 26D01/7

3260 - 2004186
Version:5 25-JUN-2007

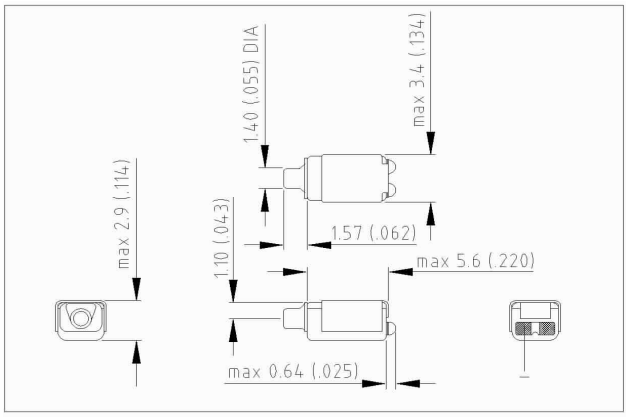
Description

Subminiature magnetic receiver (Balanced Armature Type) for use in In The Canal and Completely In the Canal applications with modified response by means of a damping screen.
Provided with a mumetal cap for improved robustness and decreased magnetic radiation.

Features

- Great ITE, ITC and CIC applications
- High output, maximum peak output 126 dB
- Improved shock performance

Dimensions in mm (inch)

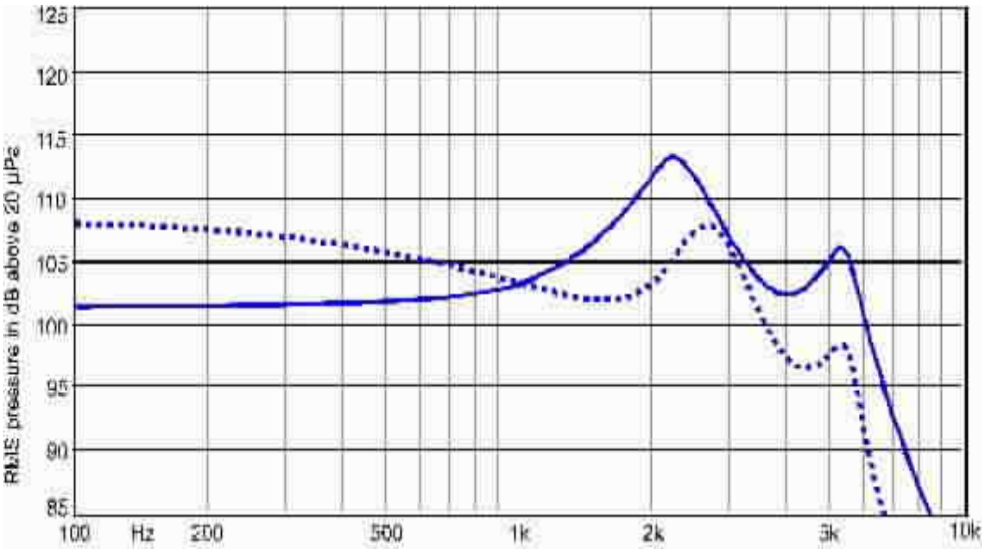


Mechanical Data

Weight	0.20 gr.
Case material	Ni80Fe15Mo5
Solder pad content	Sn96.5Ag3.0Cu0.5
Dimensions	Refer to outline drawing

Typical response curve

Solid curve: Ideal current source 2.35 mA RMS.
Dashed curve: Ideal voltage source 0.24 V RMS.



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

Acoustic loading: 10.0 mm of 1.0 mm diameter tubing into a 2 cc coupler.
Constant current drive of 2.35 mA RMS (0.55 mVA @ 1000 Hz).
Enviromental conditions: 23 °C (73.4F), 50 % RH

Acoustic parameters		Min	Typ	Max	Unit	Comments
Sensitivity	@ 200 Hz	98.5	101.5	104.5	dB	
	@ 500 Hz	99	102	105	dB	
	@ 1000 Hz	101	104	107	dB	
Peak 1	frequency	2000	2175	2400	Hz	
	output	110	113	116	dB	
Valley 1	frequency	3500	4250	5000	Hz	
	output	100	102.5		dB	
Peak 2	frequency	5000	5500	6000	Hz	
	output	103	106	109	dB	
THD	@ 1/3 peak			5	%	
	@ 1/2 peak			5	%	
Maximum output @ peak frequency				126	dB	50 mVA input

Electric parameters	Min	Typ	Max	Unit	Comments
Impedance @ 1000 Hz	80	100	120	Ohm	
DC resistance @ 20 °C	37	44	51	Ohm	
DC bias current range		zero bias			

Additional parameters	Min	Typ	Max	Unit	Comments
Shock resistance	14000			g	90% survival rate with THD @ 1/2 peak freq. < 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.