

# Balanced Armature Driver



Premium Audio

RDI-33438-000

Dual Woofer

## Features

- . Delivers warm, rich bass as part of a multi-driver system
- . Very high drive capability for low distortion at typical levels
- . Dual element construction for high efficiency and low mechanical vibration
- . Customization possible (impedance, damping, porting, etc.)
- . RoHS compliant



## Typical Performance at 1kHz

Impedance	25	Ohms
Sensitivity to 100mV	118	dB SPL
Sensitivity to 1mW	122	dB SPL
Max SPL <sup>a</sup>	136	dB SPL
THD at 94dB SPL	0.5	%
THD at 100dB SPL	0.3	%

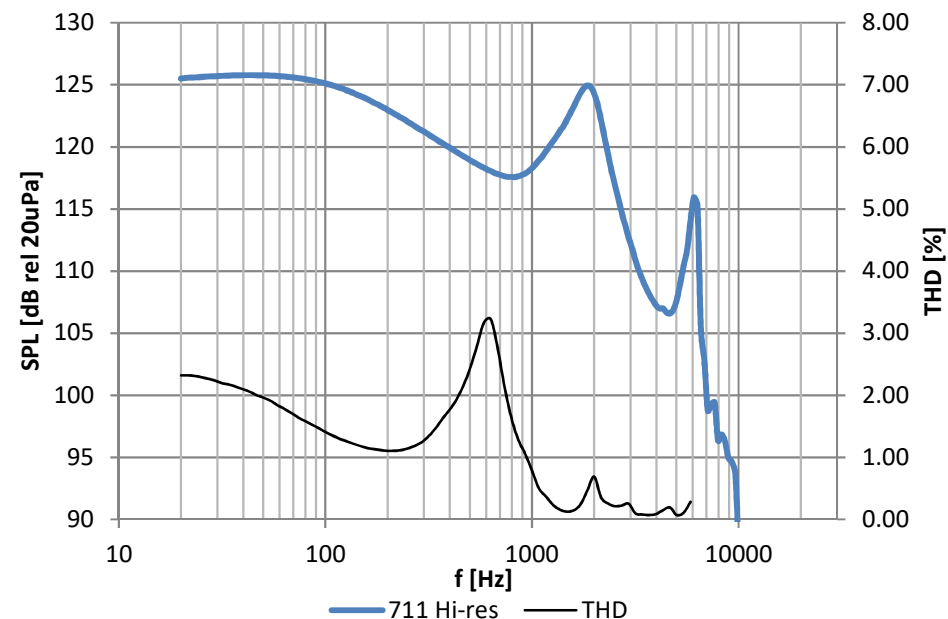
a) SPL at 10% THD

## Testing Condition

using 100mV rms drive signal

- 711 Hi-RES GRAS 403
- THD

## Frequency Response and THD



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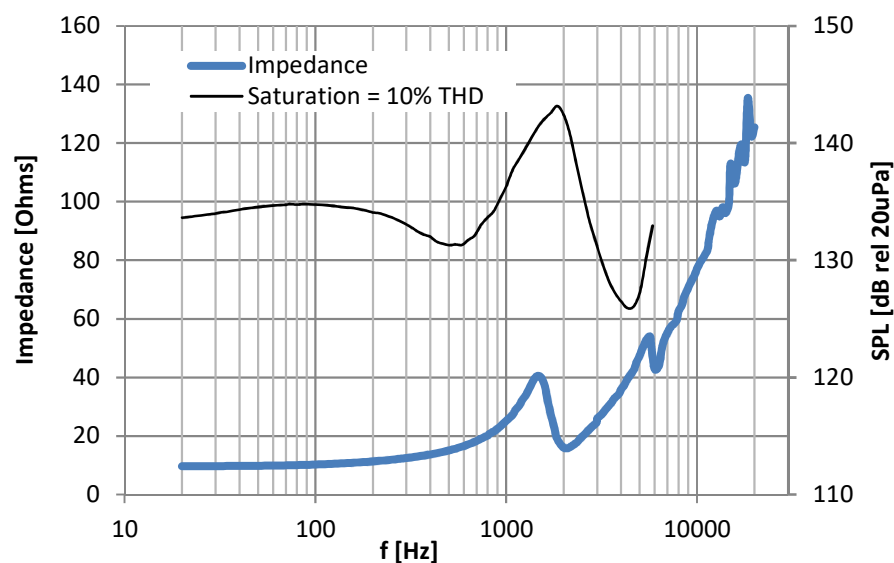
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## Impedance and Saturation SPL



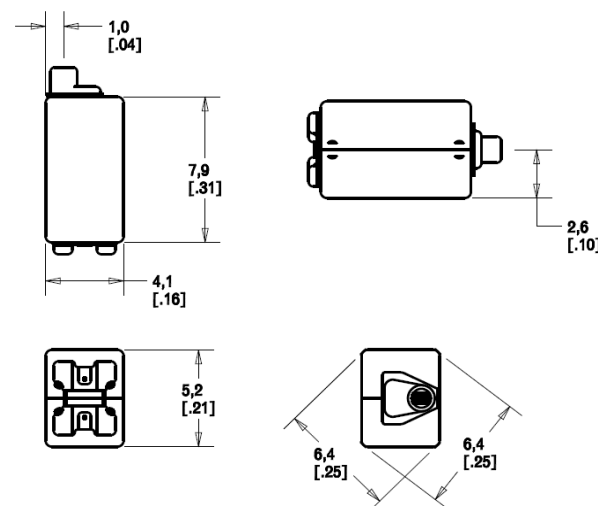
## Application Note

This model is without diaphragm pierce for flatter sub-bass  
It is recommended that another vented driver with diaphragm pierce (such as a midrange) be used together with this model to equalize front to back side pressure

Alternately, model RDI-34006-000 with diaphragm pierce may be used  
Consult a Knowles field engineer for application assistance

## Outline Drawing

mm (inches)



## Notes

- Ask about custom assembly options (lead wires, customer-specified materials, etc.)
- To prevent heat damage, follow soldering guidelines in application note AN13 (knowles.com)
- Measurement data for reference only. Refer to model specification for full dimensions and performance.

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