# **Dual Diaphragm Balanced Armature Driver**



RLQ-34240-000

Full-Range Driver, High-Output

Premium Audio

#### **Features**

- . Proprietary dual diaphragm delivers best-in-class output / size ratio
- . Woofer / midrange with low THD in multi-driver IEMs
- . Full-range with high output in TWS & single-driver earphones



### **Typical Performance at 1kHz**

Impedance	57	Ohms
Sensitivity to 100mV	111	dB SPL
Sensitivity to 1mW	120	dB SPL
Max SPL <sup>a</sup>	126	dB SPL
THD at 94dB SPL	0.3	%
THD at 100dB SPL	0.4	%

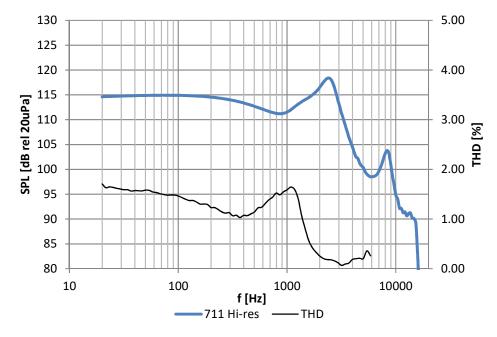
a) SPL at 10% THD

## **Testing Condition**

using 100mV rms drive signal

- 711 Hi-RES GRAS 403
- THD

## Frequency Response and THD



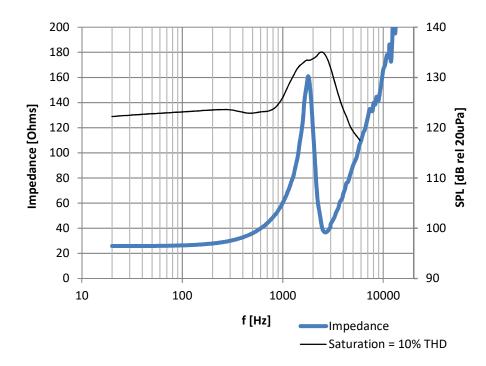
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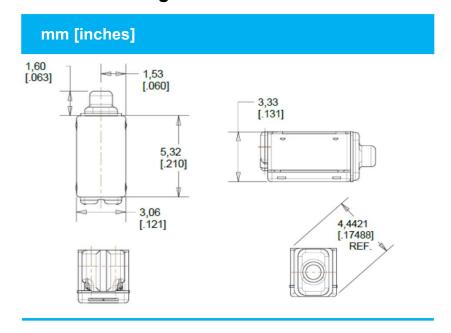
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## Impedance and Saturation SPL



## **Outline Drawing**



### **Notes**

- •Ask about custom assembly options (lead wires, customerspecified 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.