Headphone Measurements: Ultrasone Zino

Headphone Measurements:

**Volts RMS required to reach 90dB SPL:** 0.094 Vrms

**Impedance @ 1kHz:** 41 Ohms

**Power Needed for 90dB SPL:** 0.22 mW

**Broadband Isolation in dB (100Hz to 10kHz):** -3 dB

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**Frequency Response**
- **Top - Compensated and Averaged**
- **Bottom - Raw Data for Five Headphone Positions**

**Isolation**
- **Attenuation of External Sound vs. Frequency**

**Impulse Response**

**Electrical Impedance and Phase**
- Measured with 600 Ohm output impedance.

**%THD+noise @ 90dB and 100dB**

**30 Hz Square Wave**

**300 Hz Square Wave**

**Amplitude (dB)**

**impedance in Ohms**

**Impedance in Ohms vs. Frequency**

**Phase in Degrees**

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