Headphone Measurements:  
Beyerdynamic T50p SN16912

**Headphone Measurements:**

**Impedance @ 1kHz:** 36 Ohms

**Volts RMS required to reach 90dB SPL:** 0.025 Vrms

**Power Needed for 90dB SPL:** 0.02 mW

**Broadband Isolation in dB (100Hz to 10kHz):** -16 dB

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

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

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**Impulse Response:**

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

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**30 Hz Square Wave:**

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**300 Hz Square Wave:**

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

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