

# 2009 Audio Power Amplifiers

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Analog Markets – Worldwide



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## Abstract

Audio power amplifiers, which are the focus subject of this report, are electronic amplifiers that improve the strength of very low-power audio signals to a level suitable for driving speakers or headphones. It does this by taking energy from a power supply and controlling the output to match the input signal shape but with larger amplitude. This is typically the final stage in an audio playback signal chain.

Databeans segments audio power amplifiers into class AB and class D products which combined accounted for an estimated \$752 million or 32 percent of the \$2.4 billion special purpose consumer analog segment in 2009. This \$2.4 billion total market value is higher than the total for “Consumer Analog” noted in the above table due to numerous special purpose consumer analog products used in other market segments outside of the CE market.

Power amplifier circuits are classified as A, B, AB and C for analog designs, and class D and E for switching designs based upon their conduction angle. Class AB and class D designs are the most prevalent classes in audio power, accounting for a combined \$765 million in projected 2009 revenue. Databeans projects that sales of audio power amplifiers will grow 9 percent on average over the next five years to reach \$1.2 billion by 2014 as ASPs decline by 7 percent annually over the same period.

This study is available through individual report purchase for **\$2,200.00 USD**, or available at a discounted rate through our **Databeans Complete Library**, the **Analog Markets Service**, our **Analog Applications Service**, and the **Consumer Market Service**. For our subscription service subscribers, all of our research is backed by a coverage guarantee meaning if you purchase a report and need additional information, our analysts are available to continue the analysis, customized to your organization’s needs.

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