■ DESCRIPTION

The AA8338 is a monolithic integrated circuit that provides DC volume control, and stereo bridged audio power amplifiers capable of producing 2W into 4Ω with less than 1.0% THD or 2.2W into 3Ω with less than 1.0% THD. The audio integrated circuits were designed specifically to provide high quality audio while requiring a minimum amount of external components. The AA8338 incorporates a DC volume control, stereo bridged audio power amplifiers and a selectable gain or bass boost, making it optimally suited for multimedia monitors, portable radios, and desktop and portable computer applications. The AA8338 features an externally controlled, low-power consumption shutdown mode, and both a power amplifier and headphone mute for maximum system flexibility and performance.

■ FEATURES

- DC volume control interface.
- System beep detects.
- Stereo switchable bridged/single-ended power amplifiers
- Selectable internal/external gain or bass boost
- “Click and pop” suppression circuitry
- Thermal shutdown protection circuitry

■ APPLICATIONS

- Portable and desktop computers
- Multimedia monitors
- Portable radios, PDAs, and portable TVs

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