



Dual 2.2W Audio Amplifier Plus Stereo Headphone

Features

- I Stereo headphone amplifier mode
- I “Click and pop” suppression circuit
- I Unity-gain stable
- I Thermal shutdown protection circuit
- I DIP-16(173mil) Pb-Free Packaging
- I DIP-16 Exposed-DAP Pb-Free Packaging

Applications

- I Multimedia Monitors
- I Portable DVD/VCD
- I Portable Televisions
- I Portable and Desktop Computers

General Description

The SC2038 is a dual bridge-connected audio power amplifier which, when connected to a 5V supply, will deliver 2.2W to a 4Ω load (Note 1) or 2.5W to a 3Ω load (Note 2) with less than 1.0% THD+N. In addition, the headphone input pin allows the amplifiers to operate in single-ended mode when driving stereo headphones. To simplify audio

system design, the SC2038 combines dual bridge speaker amplifiers and stereo headphone amplifiers on one chip. The SC2038 features an externally controlled, low-power consumption shutdown mode, a stereo headphone amplifier mode, and thermal shutdown protection. It also utilizes circuitry to reduce “clicks and pops” during device turn-on.

Pin Assignment

