

STMicroelectronics Introduces the 2x1W Stereo Amplifier for Portable Applications

March 18 2005

STMicroelectronics has developed a high-quality stereo audio amplifier for use in cellular mobile phones, notebooks, PDAs, LCD monitors, TVs and portable audio devices. This device adds to a fast-growing portfolio of audio amplifiers dedicated to providing high-end audio capability to portable, low power-consumption applications.

The TS4984 delivers 1W per channel of continuous RMS output power at 5V into 8-ohm loads, with THD+N under 1%. It operates from 2.2 to 5.5V.

With an excellent SNR of 100dB(A) (typ.), and a power supply rejection ratio of 62dB at 217Hz with grounded inputs, this audio amplifier provides a high quality audio signal for the smallest of portable devices. Dedicated circuitry guarantees virtually no 'pop' and 'click' at power-on or power-off.

An external standby mode control reduces the supply current to less than 10nA for each channel. The device also has thermal shutdown protection. External resistors set the gain of each channel.

It is available in a QFN16 4x4 mm, 0.5mm pitch, lead-free package. Pricing is US\$ 0.90 in quantities of 5K units.

(2005, March 18) retrieved 23 April 2024 from

<https://phys.org/news/2005-03-stmicroelectronics-2x1w-stereo-amplifier-portable.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.