

AK4213 Press Release

High performance Audio Subsystem

San Jose, CA, July 02, 2008— AKM Semiconductor (AKM), the world's premier supplier of audio ICs for professional and consumer markets, today launched the AK4213, an audio subsystem integrating a mono BTL class-D speaker amplifier and a cap-less stereo headphone amplifier. It corresponds to multifunctional use of the system with integrated 3-channel differential/single-end input selectors. The AK4213 has an integrated charge pump that generates an internal negative rail, enabling ground-referenced outputs for the cap-less headphone amplifier. This headphone amplifier eliminates large AC-coupling capacitors, achieving high quality sound and meeting space saving demands for portable devices. The filter-less class-D speaker amplifier provides high audio quality while saving power and board space.

The AK4213 features AKM's advanced ALC (Auto Level Control) circuit, digital volume control, a high power output class-D speaker amplifier and a headphone amplifier with offset calibration to eliminate pop noise. It is able to bypass the sound signals from baseband. Each function is controlled through an I²C control bus. The operating voltage of the analog section ranges from 2.6V to 3.6V, from 3.0V to 5.5V for the speaker amplifier section, and from 1.6V to 3.6V for the digital interface section.

The AK4213 is available in an ultra small 29-pin CSP package (3.0mm x 3.0mm), facilitating space reduction of mobile devices. Evaluation boards and samples are available now. For more information or editorial contacts about this product, call AKM toll free at (888) 256-7364.

About AKM Semiconductor

AKM Semiconductor (AKMS) is a wholly owned subsidiary of Asahi Kasei EMD Corporation, Tokyo, Japan. AKMS, located in San Jose, California, offers sales, marketing and design support for North and South American customers. AKM designs and manufactures CMOS mixed signal integrated circuits for applications including audio, multimedia, data storage, and telecommunications. North American headquarters are located at 1731 Technology Drive, Suite 500, San Jose, CA 95110.

About AKM™

AKM™ is the brand name of Asahi Kasei EMD Corporation's integrated circuits.