



INTEGRATED SILICON SOLUTION, INC.

ISSI Debuts 20W Per Channel Stereo Class-D Amplifier Reduces design complexity and improves audio performance with fewer components and more protection features, enhancing long term reliability

MILPITAS, Calif., Oct. 20, 2014 /PRNewswire/ -- Integrated Silicon Solution, Inc. (Nasdaq:ISSI), a leader in advanced memory and analog IC solutions, today announced the release of the IS31AP2110, a high-performance differential input Class-D power amplifier for consumer and professional audio equipment manufacturers. It integrates a host of features that increase audio quality and reliability for next-generation multimedia applications, such as sound bars, LCD projectors, HDTVs, media docking stations and radio equipment.

"ISSI offers a broad portfolio of low power audio amplifiers for portable applications. This product introduction marks entry into the medium to high power Class-D amplifier segment, opening new application areas and extending ISSI's analog market. This serves as our base for our new medium to high power audio amplifier portfolio targeting the consumer, industrial and automotive markets," stated Ven Shan, VP of Analog Products at ISSI.

The IS31AP2110 is an efficient 20W per channel stereo Class-D audio amplifier with an adjustable power limit function and dynamic temperature control for quality audio playback without the need for an external heat sink. Four digitally selectable gain settings from 20db to 36db eliminate the need for input resistors and ensure better input matching to reduce noise and improve audio quality. In addition, it employs an advanced output stage which minimizes component count and permits the use of low-cost ferrite bead filters for EMC compliance.

As a result of these feature enhancements, audio system designs employing the IS31AP2110 will have the lowest bill of materials (BOM) costs against competing solutions. In addition, differential inputs, low THD+N performance, click-and-pop suppression circuitry, low electromagnetic interference (EMI), and a flow-through package pin-out enable design flexibility for high fidelity audio equipment.

Price and Availability

The IS31AP2110 is available in a thermally enhanced 28 pin TSSOP type package and priced at \$0.89 in 1,000 piece quantities.

Speaker Amplifier Devices

ISSI's speaker amplifier IC product line includes Class-D, Class-G and Class-AB devices that range from less than 1W up to 40W in output power levels. This product line offers high performance audio in small packages that save board space, extend battery life, and reduce system cost. For more information on this and other audio amplifier devices, visit the ISSI Analog products website; <http://www.issi.com/US/product-analog-audio-amp.shtml>

About Integrated Silicon Solution, Inc.

ISSI is a fabless semiconductor company that designs and markets high performance integrated circuits for the following key markets: (i) automotive, (ii) communications, (iii) industrial, medical, and military, and (iv) digital consumer. The Company's primary products are high speed and low power SRAM and low, medium, and high density DRAM. The Company also designs and markets NOR flash products and high performance analog and mixed signal integrated circuits. ISSI is headquartered in Silicon Valley with worldwide offices in Taiwan, Japan, Singapore, China, Europe, Hong Kong, India, and Korea. Visit our web site at <http://www.issi.com/>

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