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TAS5630PHD Evaluation Module

(ACTIVE) TAS5630PHD2EVM

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Description

The TAS5630PHD2EVM PurePath™ Premier Pro customer evaluation module demonstrates the integrated circuit TAS5630PHD from Texas Instruments (TI). The TAS5630PHD is a high-performance, integrated Stereo Feedback Analog-Input Digital Amplifier Power Stage designed to drive 4Ω speakers at up to 300W per channel. This amplifier requires only a simple passive demodulation filter to deliver high-quality, high-efficiency audio amplification. This EVM is configured with 2 BTL channels and the possibility to apply either a single ended or a differential analog input signal. It is also possible to configure the two BTL channels into one parallel BTL (PBTL) channel. The OPA1632 is a High Performance Fully Differential Audio Op Amp designed to allow operation with single ended or differential input signals to the EVM. This EVM is a complete stereo analog input 2 × 300 W power amplifier ready for evaluation and great music.

Features

- Stereo PurePath™ Premier Pro evaluation module.
- Self-contained protection system (short circuit and thermal).
- Standard 1VRMS single ended line input or differential input.
- Double-sided, plated-through PCB layout.

What's Included

- [SLES220, 300W STEREO / 600W MONO PurePath HDTM ANALOG-INPUT POWER STAGE \(Rev. B\)](#)
- [SLAU287, TAS5630PHD2EVM User's Guide \(Rev. A\)](#)

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Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status	Lead-Free	RoHS	REACH	WEEE	HI-V (>50VRMS/75 VDC)	CE	CE-EMC	CE-RTTE/LVD	FCC	Batteries	Enclosure	Ext Power Supply
TAS5630PHD2EVM: TAS5630PHD Evaluation Module	\$399.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE	Yes	Yes	Yes	NA	NA	NA	NA	NA	NA	No	No	No

Contact a Distributor



TI's Standard Terms and Conditions for Evaluation Modules apply.

Technical Documents

Datasheet (2)

Title	Abstract	Type	Size (KB)	Date	Views
300W STEREO / 600W MONO PurePath HDTM ANALOG-INPUT POWER STAGE (Rev. B)		PDF	2282	18 Feb 2010	
300W STEREO / 600W MONO PurePath HDTM ANALOG-INPUT POWER STAGE (Rev. A)		PDF	2360	22 Sep 2009	

User Guides (2)

Title	Abstract	Type	Size (KB)	Date	Views
 A 600-W Input, Isolated PFC Power Supply for AVR Amplifiers. (Rev. C)	Read Abstract	PDF	4150	20 Sep 2012	2,417
 TAS5630PHD2EVM User's Guide (Rev. A)		PDF	1933	05 May 2010	471

More Literature (1)

Title	Abstract	Type	Size (KB)	Date	Views
 TAS5630PHD2EVM Read Me First Letter		PDF	125	29 Jun 2009	91

Related Products

Software (1)

 [TAS5630PHD2EVM Gerber Files \(Rev. A\)](#)
(ZIP, 1518 KB) 118 views, 26 Jan 2010

TI Devices (1)


Part Number	Name	Product Family
TAS5630B	Analog input 300W Stereo class D amplifier with integrated feedback	Speaker Amplifier and Modulator

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Training & events

Name	Type	Available During
Georgia Tech MOOC: Control of Mobile Robots Learn how to make mobile robots move in effective, safe, predictable, and collaborative ways using modern control theory.	On-Line Training	On Demand
SimpleLink™ Wi-Fi CC3100 and CC3200 Project 0 Series - 5 Part Series Learn about using Software Tools for SimpleLink™ Wi-Fi CC3100 Boosterpack and CC3200 Launchpad	On-Line Training	On Demand
TI-RTOS Update Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
Designing with Ultra Low Power Segmented Displays Learn about designing Ultra-low Power Segmented Displays and MSP430	On-Line Training	On Demand

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