

Class-D audio amplifier; Package: SOT549-1 (HTSSOP32); Container: Tube Dry Pack

Manufacturers	NXP Semiconductor
Package/Case	HTSSOP-32
Product Type	Audio ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for TDA8932BTW/N2 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The TDA8932BTW/N2 is a class D audio amplifier IC manufactured by NXP Semiconductors. It is designed for high-efficiency amplification of audio signals, making it suitable for various audio applications.

Features

Class D Amplification: Utilizes Class D amplifier technology, which offers high efficiency and low heat dissipation compared to traditional Class AB amplifiers.

High Output Power: Capable of delivering high output power to drive speakers, providing loud and clear audio.

Low Distortion: Offers low distortion and noise levels, ensuring high-quality audio reproduction.

Wide Supply Voltage Range: Can operate from a wide range of supply voltages, providing flexibility in system design.

Thermal Protection: Includes built-in thermal protection to prevent damage to the IC during excessive heating.

Short-Circuit Protection: Equipped with short-circuit protection to safeguard the amplifier and connected devices.

Application

Multimedia Systems: Used in multimedia speakers, soundbars, and audio docks to amplify audio signals from various sources like TVs, computers, and mobile devices.

Home Audio Systems: Integrated into home audio receivers, amplifiers, and mini-component systems to power speakers for home entertainment.

Portable Audio Devices: Employed in portable Bluetooth speakers and wireless headphones to amplify audio output for improved sound quality.

Automotive Audio: Used in automotive head units and audio systems to enhance the audio experience in vehicles.

Smart Speakers: Incorporated into smart speakers and voice-activated devices for amplification of voice prompts and audio responses.

Related Products



[TDA8551T](#)

NXP Semiconductor
SOP8



[TDA8932BTW](#)

NXP Semiconductor
HTSSOP-32



[TDA8932T](#)

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