

PROTECTED DIGITAL AUDIO AMPLIFIER

Manufacturers	Infineon Technologies Corporation
Package/Case	DIP-16
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for IRS2092PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The IRS2092 is a high voltage, high performance Class D audio amplifier driver with PWM modulator and protection. In conjunction with two external MOSFET and a few external components, a complete Class D audio amplifier with protection can be realized. International Rectifier's proprietary noise isolation technology allows high current gate drive stage and high speed low noise error amplifier reside on a single small silicon die. Open elements of PWM modulator section allow flexible PWM topology implementation.

Typical Applications

- Home theater systems
- Mini component stereo systems
- Powered speaker systems
- General purpose audio power amplifiers

Features

Integrated analog input Class D audio amplifier driver in a small 16 pin package

Floating inputs enable easy half bridge implementation

Programmable bidirectional over-current protection with self-reset function

Programmable preset deadtime for improved THD performances

Start and stop click noise reduction

High noise immunity

Operates up to 800kHz

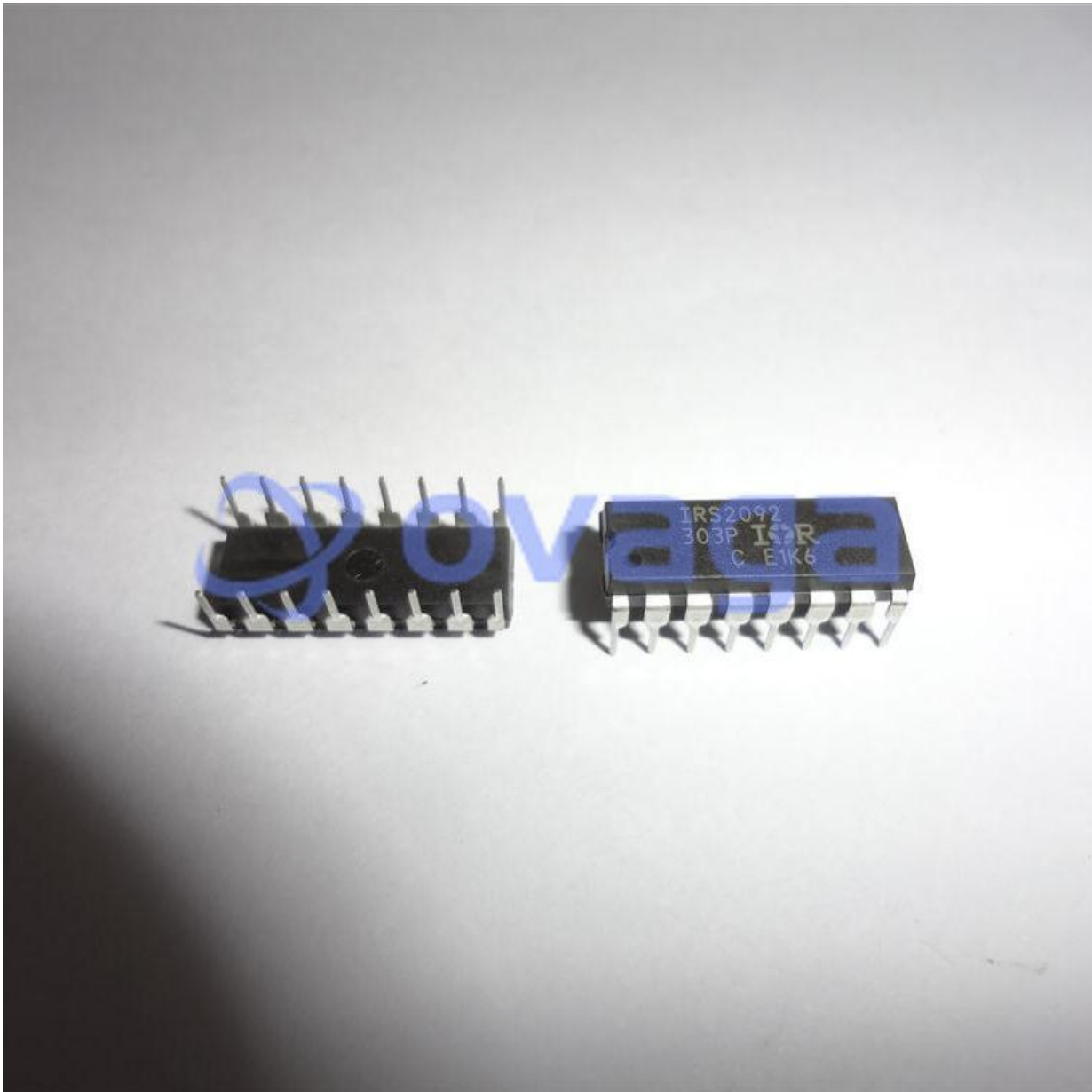
ROHS compliant

Audio Reference Design: IRAUDAMP7D

Application

Class D Audio





Related Products



[IR4311MTRPBF](#)

Infineon Technologies Corporation
PQFN-22



[IR4312MTRPBF](#)

Infineon Technologies Corporation
PQFN-44



[IR4301MTRPBF](#)

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