imall

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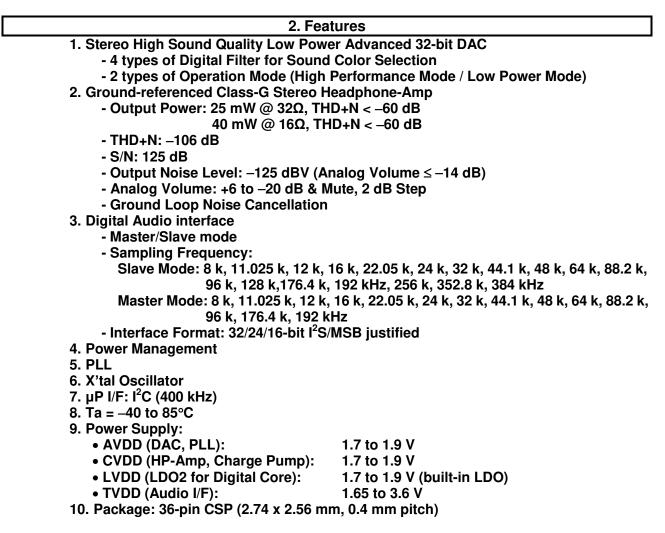




AK4376 Low-Power Advanced 32-bit DAC with HP

1. General Description

The AK4376 is stereo advanced 32-bit high sound quality audio DAC with a built-in ground-referenced headphone amplifier. An internal circuit newly developed 32-bit digital filters for better sound quality, achieving low distortion characteristics and wide dynamic range. The sampling frequency supports up to 384 kHz. The AK4376 is available in a 36-pin CSP package, utilizing less board space than competitive offerings.



3. Block Diagram and Functions

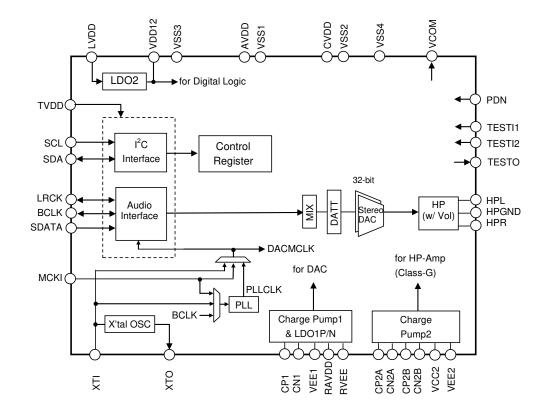
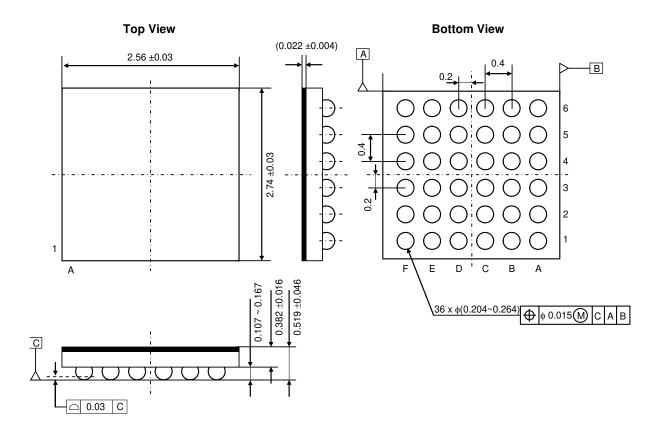


Figure 1. Block Diagram

4. Package

Outline Dimensions

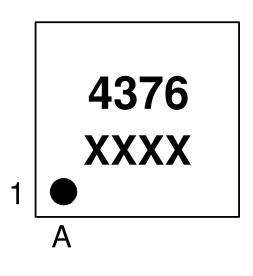
36-pin CSP (Unit: mm)



Material and Lead Finish

Package molding compound: Epoxy Resign, Halogen (Br, Cl) Free Lead frame material: SnAgCuNi

Marking



XXXX: Date code (4 digits) Pin #A1 indication

5. Ordering Guide

AK4376ECB-40 to 85 °C36-pin CSP (0.4 mm pitch)AKD4376Evaluation board for AK4376

6. Revision History

Date (Y/M/D)	Revision	Reason	Page	Contents
15/11/27	00	First Edition		

Thank you for your access to AKM products information. More detail product information is available, please contact our sales office or authorized distributors.

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