

Features

- Improved PSRR at 217 Hz & 1 KHz 62 dB
- Power output at 5.0V, 1% THD+N, 8Ω 1.28 W (typ.)
- Power output at 3.0V, 1% THD+N, 8Ω 440 mW (typ.)
- Ultra low shutdown current 0.1 uA (typ.)
- 2.2V – 5.5V operation
- Improved circuitry eliminates pop-click noise during turn-on and turn-off transitions
- No output coupling capacitors, snubber networks or bootstrap capacitors required
- Unity-gain stable
- External gain configuration capability
- Available in space-saving packages: MSOP8, 9 Bump WLCSP

General Description

The AS9892 is a Class-AB audio power amplifier designed for mobile phones and other portable communication devices. It is capable of delivering 1.28 watts of continuous average power to an 8Ω BTL load with less than 1% distortion (THD+N) from a 5V_{DC} power supply.

The AS9892 was designed specifically to provide high quality output power with a minimal amount of external components. It does not require output coupling capacitors or bootstrap capacitors. And with ultra low shutdown current, the AS9892 is ideally suited for mobile phone and other low voltage applications where minimal power consumption is a primary requirement.

With special pop-click eliminating circuit, the AS9892 provides perfect pop-click characteristic during turn-on and turn-off transitions.

The AS9892 is unity-gain stable and can be configured by external gain-setting resistors.

Applications

- Wireless handsets
- Portable electronic devices
- PDAs, Handheld computers

Order Information

Part Number	Package	Shipping
AS9892DM/TR-LF	MSOP8	3000 pcs / Tape & Reel
AS9892CS/TR-LF	9 Bump WLCSP	3000 pcs / Tape & Reel