

■ GENERAL DESCRIPTION

The AS9898 is a monolithic integrated circuit that provides DC volume control, and stereo bridged audio power amplifiers capable of producing 2W into 4Ω or 2.4W into 3Ω with less than 1.0% THD+N.

The AS9898 incorporates a DC volume control, Stereo bridged audio power amplifiers making it optimally suited for multimedia monitors, portable radios, desktop, and portable computer applications. The AS9898 features an low-power consumption shutdown mode, and both power amplifier and headphone.

Advanced pop & click circuitry is built in to eliminate noises that would otherwise occur during turn-on and turn-off transitions.

■ KEY SPECIFICATION

- ◆ BTL mode P_o at 5V, f=1KHz, 1% THD+N
2.4W(typ) into 3Ω
2.0W(typ) into 4Ω
1.1W(typ) into 8Ω
- ◆ BTL mode P_o at 5V, f=1KHz, 10% THD+N
3W(typ) into 3Ω
- ◆ Single-ended mode P_o at 5V, f=1KHz, 1% THD+N
85mW(typ) into 32Ω
- ◆ Shutdown current 0.1uA(typ)

■ FEATURES

- ◆ 32 steps DC volume control
- ◆ Stereo switchable bridged/single-ended power amplifiers
- ◆ Click and POP suppression circuitry
- ◆ Thermal Shutdown protection circuitry

■ APPLICATION

- ◆ Portable and Desktop Computers
- ◆ Multimedia Monitors
- ◆ Portable Radios, PDAs, and portable TVs

■ ORDER INFORMATION

Order Number	Package	Packing	Remark
AS9898DT20/TR-LF	TSSOP-20FD	Tape&Reel, MPQ=2500	Lead-Free