

Want to add 1.2W of high quality, zero pop, audio output power to your mobile phone, pda or laptop?

CHECK OUT THE TS4994 AUDIO POWER AMP FROM ST

Designed for high quality audio applications such as PDAs, laptops and mobile phones, the TS4994 is a Bridge Tied Load Differential Audio Power Amplifier able to deliver 1.2W of continuous RMS output to an 8 Ω load. The TS4994 also features ST's patented Pop and Click suppression circuits and, thanks to its differential inputs, it exhibits outstanding noise immunity. The device's miserly 10nA current consumption in standby mode makes it the perfect addition to your power conscious portable application. And, while it may be light on power consumption, the TS4994 is built tough enough to withstand short circuits and comes complete with its own internal thermal shutdown protection.

TS4994 High Quality Audio

- Differential Inputs
- Zero Pop and Click
- 100dB PSRR @ 217Hz with Grounded Inputs
- Operating from $V_{CC} = 2.5V$ to $5.5V$
- 1.2W Rail to Rail Output Power @ $V_{CC}=5V$, THD=1%, F=1kHz, with 8 Ω Load
- 70dB CMRR @ 217Hz
- Ultra Low Consumption In Standby Mode (10nA)
- Selectable Standby Mode (active low or active high)
- Ultra Fast Startup Time: 15ms typ.
- Available in Flip-Chip, DFN10 and MiniSO8

Power Audio Amplifiers

Part Number	Description	Package	Pout @ $V_{CC}=5V$ THD+N=1%	Output Type	Supply Voltage V
TS4851	Loudspeaker & headset BTL driver with digital volume control	Flip Chip 18 bumps	1 W into 8 Ω BTL 160 mW into 32 Ω BTL	BTL-Mono BTL- Stereo	3.0 to 5.5
TS4855	Loudspeaker & headset BTL driver with digital volume control	Flip Chip 18 bumps	1 W into 8 Ω BTL 100 mW into 32 Ω BTL	BTL-Mono BTL-Stereo	3.0 to 5.5
TS4871	Audio power amplifier with active high standby mode	SO8/miniSO8	1 W into 8 Ω	BTL-Mono	2.5 to 5.5
TS4872	Audio power amplifier with active high standby mode	Flip Chip 8 bumps	1 W into 8 Ω	BTL-Mono	2.2 to 5.5
TS4890	Audio power amplifier with active low standby mode	SO8/miniSO8	1 W into 8 Ω	BTL-Mono	2.2 to 5.5
TS4900	Audio power amplifier with active high standby mode	SO8/miniSO8	0.7 W into 8 Ω	BTL-Mono	2.5 to 5.5
TS4902	Audio power amplifier with active low standby mode	SO8/miniSO8	0.7 W into 8 Ω	BTL-Mono	2.2 to 5.5
TS4972	Audio power amplifier with active high standby mode	Flip Chip 8 bumps	1.2 W into 8 Ω	BTL-Mono	2.5 to 5.5
TS4973	Two inputs with gain control and active low standby mode	Flip Chip 9 bumps	1.2 W into 8 Ω	BTL-Mono	2.8 to 5.5
TS4990	Audio power amplifier with active low standby mode	Flip Chip 9 bumps	1 W into 8 Ω	BTL-Mono	2.2 to 5.5

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Helping lead the way