

2.4W Mono Class-D Audio Amplifier with Shutdown Mode

Features

- Depop Circuitry Integrated
- 2.8V to 5.5V Operation
- Output Power at 1% THD+N, VDD=5V
 - 2W (typical) into a 4Ω Load
 - 1.2W (typical) into a 8Ω Load
- Mono Bridge-Tied Load (BTL)
- Shutdown Control Available
- MSOP-10 (FD), TDFN3X3-10 and WLCSP3X3-9 Package Available

General Description

The G1901 is a mono class-D audio power amplifier in MSOP-10 (FD), TDFN3X3-10 and WLCSP3X3-9 with thermal pad package. It can drive 2W continuous RMS power into 4Ω load in Bridge-Tied Load (BTL) mode at 5V supply voltage. Its THD is smaller than 1% under the above operation condition. For the low current consumption applications, the SHDN mode is supported to disable the G1901 when it is idle. The current consumption can be further reduced to below 1μA.

Giving the SHUTDOWN pin low level will drive the G1901 entering the shutdown.

Applications

- PDAs
- Mobile Phone
- Portable Devices
- Notebook

Ordering Information

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G1901F61U	G1901	-40°C to +85°C	MSOP-10 (FD)
G1901RE1U	1901	-40°C to +85°C	TDFN3X3-10
G1901B91U	1901	-40°C to +85°C	WLCSP3X3-9

Note:F6: MSOP-10 (FD) RE: TDFN3X3-10 B9: WLCSP3X3-9
 1: Bonding Code
 U: Tape & Reel

Pin Configuration

