

2.6W Mono Audio Amplifier with Shutdown Mode

Features

- Depop Circuitry Integrated
- 2.7V to 5.5V Operation
- Output Power at 10% THD+N, VDD=5V --2.6W (typical) into a 3Ω Load
- Output Power at 1% THD+N, VDD=5V --2W (typical) into a 4Ω Load
- --1.3W (typical) into a 8Ω Load
- Mono Bridge-Tied Load (BTL)
- Shutdown Control Available
- MSOP-8 (FD) , TDFN3X3-8 Package & WLCSP2X4-8 Available

General Description

The G1445 is a mono audio power amplifier in MSOP-8 (FD), TDFN3X3-8 and WLCSP2X4-8 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 G1445 when it is idle. The current consumption can be further reduced to below 1μA.

Giving the SHUTDOWN pin low level will drive the G1445 entering the shutdown.

Applications

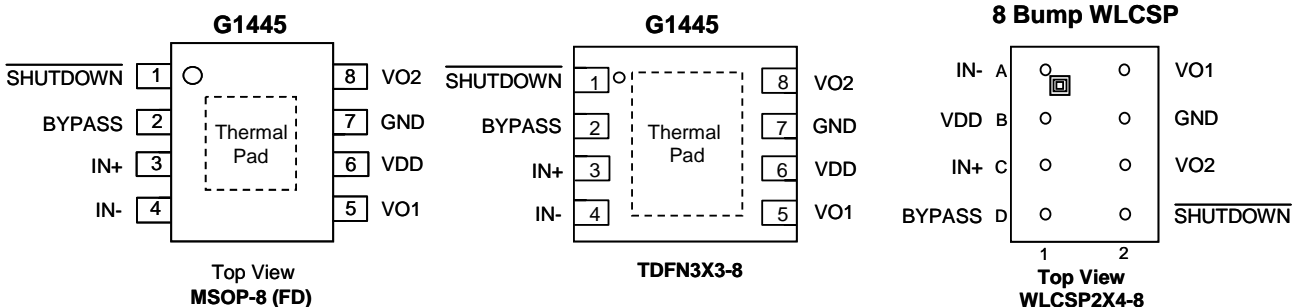
- PDAs
- Portable Devices
- Notebook

Ordering Information

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G1445F51U	G1445	-40°C to +85°C	MSOP-8 (FD)
G1445B31U	1445	-40°C to +85°C	WLCSP2X4-8
G1445RD1D	1445	-40°C to +85°C	TDFN3X3-8

Note:F5:MSOP-8 (FD) B3: WLCSP2X4-8 RD:TDFN3X3-8
 1: Bonding Code
 U & D: Tape & Reel

Pin Configuration



Note: Recommend connecting the Thermal Pad to the Ground for excellent power dissipation.