

2.0W Stereo Audio Amplifier with Shutdown Mode

Features

- Depop Circuitry Integrated
- 3V to 5.5V Operation
- Output Power at 10% THD+N, VCC=5V
--2.1W (typical) into a 3Ω Load
- Output Power at 1% THD+N, VCC=5V
--1.45W (typical) into a 4Ω Load
--1.15W (typical) into a 8Ω Load
- Output Power at 10% THD+N, VCC=5V
--2W (typical) into a 4Ω Load
--1.47W (typical) into a 8Ω Load
- Stereo Bridge-Tied Load (BTL)
- Shutdown Control Available
- TQFN3X3-16 Package Available

Applications

- PDAs
- Portable Devices
- Notebook

General Description

The G1454/G1454L is a stereo audio power amplifier in 16 pin TQFN3X3-16 with thermal pad package. It can drive 1.45W 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 SHUTDOWN mode is supported to disable the G1454/G1454L when it is idle. The current consumption can be further reduced to below 1μA.

Giving the $\overline{\text{SHUTDOWN}}$ pin low level will drive the G1454L entering the shutdown.

Giving the SHUTDOWN pin high level will drive the G1454 entering the shutdown

Ordering Information

| ORDER NUMBER | MARKING | TEMP. RANGE | PACKAGE (Green) |
|--------------|---------|----------------|-----------------|
| G1454R41U | 1454 | -40°C to +85°C | TQFN3X3-16 |
| G1454LR41U | 1454L | -40°C to +85°C | TQFN3X3-16 |

Note: R4: TQFN3X3-16

1: Bonding Code

U: Tape & Reel

Pin Configuration

