

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 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

