

## **Product Brief**

CP2261 V1.0

**Audio Power Amplifier Series** 

2.8W/CH,Stereo,Fully Differential Audio Power Amplifier with Internal Feedback Resistors

www.datasheet4comeral Description

The CP2261 is a stereo fully differential audio power amplifier designed for demanding audio applications. It is capable of delivering 2.8 watt of continuous average power to a  $3\Omega$  load with less than 10% distortion (THD+N) from a 5V battery voltage. It operates from 2.2V to 5.5V.

Features like -85dB PSRR at 217Hz, improved RF-rectification immunity, the space-saving QFN16 package, the advanced pop & click circuitry, a minimal count of external components and low-power shutdown mode make the CP2261 ideal for wireless handsets and notebook computers.



The CP2261 is unity-gain stable, and the gain can be configured by external input resistors and internal feedback resistors.

#### **Features**

Fully differential amplifier

• Improved PSRR at 217Hz -85dB (typ) • Power output at 5.0V, 10% THD, 3  $\Omega$  2.8W (typ) • Power output at 5.0V, 1% THD, 8  $\Omega$  1.25W (typ) • Ultra low shutdown current 0.1 $\mu$ A (typ)

Improved crosstalk at 5.0V
-100dB (typ)

Improved pop & click circuitry eliminates noises during turn-on and turn-off transitions

Thermal overload protection circuitry

Operating from 2.2V to 5.5V

External gain configuration capability

Available in space-saving QFN16 package

• RoHS compliant and 100% lead (Pb)-free

### **Applications**

- · Wireless handsets
- Portable audio devices
- PDAs
- Notebook computers



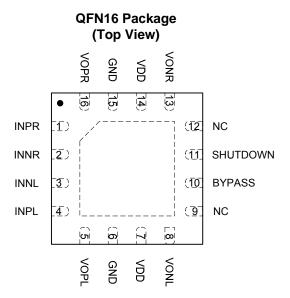
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# Pin Configurations

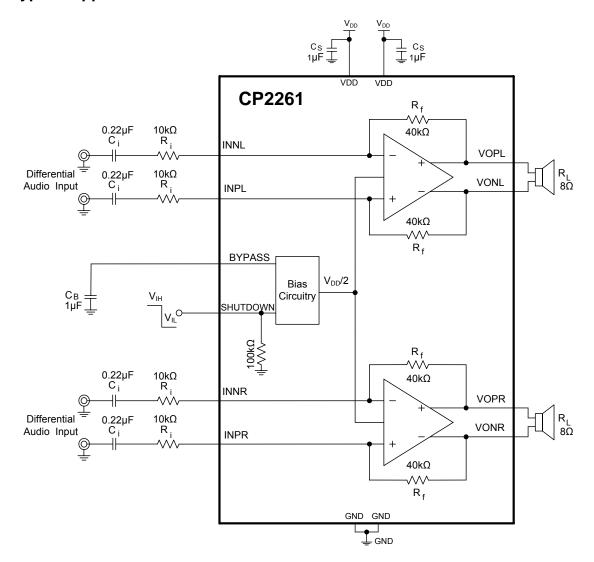


**QFN16 Marking** 



A61LQ - CP2261LQ XY - Manufacture Date Code

## www.datasheet4Typical Application Circuit



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