

## 3W Mono Fully Differential

## Audio Power Amplifier

### DESCRIPTION

The EUA6204A is a mono fully-differential audio amplifier, capable of delivering 3W of continuous average power to an 3Ω BTL load with less than 10% distortion (THD+N) from a 5V power supply, and 720mW to a 8Ω load from a 3.6V power supply.

The EUA6204A is ideal for PDA/notebook and portable devices application due to features such as -80-dB supply voltage rejection from 20Hz to 2kHz, improved RF rectification immunity, and a fast startup with minimal pop.

The EUA6204A is available in a SOP-8(FD).

### FEATURES

- Supply Voltage 2.5V to 5.5V
- 2.3W into 3Ω from a 5-V Supply at THD=1% (typ)  
3W into 3Ω at THD=10%
- Low Supply Current: 4mA typ at 5V
- Shutdown Current: 0.01μA typ
- Fast Startup with Minimal Pop
- Only Three External Components
  - Improved PSRR (-80dB) for Direct Battery Operation
  - Full Differential Design Reduces RF Rectification
  - -63dB CMRR Eliminates Two Input Coupling Capacitors
- RoHS Compliant and 100% Lead (Pb)-Free

### APPLICATIONS

- PDAs
- Portable Devices
- Notebook

### Typical Application Circuit

