

General Descriptions :

AP1085 is a differential input and differential output mono microphone amplifier. It is capable of delivering 40mW average power into 8Ω with 0.11% THD+N. The device operates from 2.2V to 5V.

It is designed with flexible gain setting and high PSRR for different kinds of application. Few external components can be added as a low pass filter for certain frequencies amplification.

AP1085 consumes only 1.8mA of supply current during operation. It provides superior power saving for battery operated portable devices

Key Specifications :

- Supply current 1.8mA (typ)
- Standby current 0.1uA (typ)
- Signal to Noise Ratio (20Hz to 20kHz) 66dB (typ)
- Total Harmonic Distortion + Noise (Vin=100mVpp) 0.11% (typ)
- High PSRR @ 217Hz 95dB (typ)

Features :

- Ultra low power consumption
- Space-saving package
- Low external component count and costs
- High audio quality
- Excellent RF immunity with high PSRR
- Differential inputs and outputs
- Adjustable 3 -39dB microphone gain
- Selectable microphone mute
- Power-saving shutdown mode
- Amplify ambient audio signal selection