

General Description

The SAH4580H is a monolithic dual low noise operational amplifier. It is specifically designed for audio systems to improve tone control; it can also be used in pre-amplifier, industrial measurement tools and applications where gain and phase matched channels are mandatory.

The IC features internal frequency compensation, low noise, low distortion, high gain and high bandwidth. The SAH4580H can operate under dual power supply voltage up to $\pm 18V$ or single power supply up to 36V.

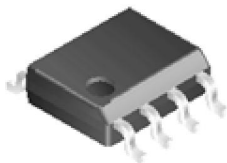
The AZ4580 is available in DIP-8, SOIC-8 and TSSOP-8 packages.

Features

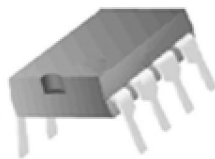
- Large Signal Voltage Gain: 110dB Typical
- Low Input Noise Voltage: $0.7\mu V$ RMS (RIAA) Typical
- Wide Gain Bandwidth Product: 15MHz at 10KHz Typical
- Low Distortion: 0.0005% Typical
- Slew Rate: $7V/\mu s$ Typical

Applications

- Audio AC-3 Decoder System
- Audio Amplifier



SOIC-8



DIP-8



TSSOP-8

Package Types of SAH4580H