



General Description

The SAH2622 is a dual, low noise, high speed operational amplifier with voltage feedback function. The output swing is rail-to-rail with heavy loads. This maximizes the dynamic range and offers high linearity.

The SAH2622 features 3.5nV/Hz low voltage noise at 100kHz with ultra-low distortion. It also has 22MHz wide bandwidth at -3dB and 33V/ μ s high slew rate.

The device is unity-gain stable and has high output drive capability. The SAH2622 is available in Green SOP-8 packages. It operates over an ambient temperature range of -40°C to +85°C.

Features

- Superior Sound Quality
- Low Offset Voltage: $\pm 500\mu$ V (MAX)
- Ultra Low Noise: 3.5nV/ Hz at 1kHz
- Ultra Low Distortion: 0.00005% at 1kHz
- High Slew Rate: 33 V/ μ s
- Gain-Bandwidth Product: 22MHz (G = +1)
- High Open-Loop Gain: 110dB
- Unity-Gain Stable
- Low Quiescent Current: 4mA/Amplifier
- Rail-to-Rail Output
- Support Single or Dual Power Supplies: 4.5V to 36V or ± 2.25 V to ± 18 V
- Operating temperature: -40°C to +85°C
- Available in Green SOP-8 Package

Package Marking and Ordering Information

Part Number	Marking	Package	Units/Tube	Units/Reel
SAH2622	SAH2622	SOP8		4000

Applications

- Audio Processing
- General-Purpose AC Equipment
- Twisted-Pair Wiring Drivers