



## 1 Features

- Operating Voltage:  $\pm 2V$  to  $\pm 18V$
- Low Input Noise Voltage:  $0.7\mu V_{rms}$  Typical (RIAA)
- Gain Bandwidth: 15MHz
- Low Distortion: 0.0005
- Slew Rate:  $7V/\mu s$  (Typical)
- Temperature Range:  $-40^{\circ}C$  to  $+85^{\circ}C$
- Bipolar Technology

## 2 Applications

- Active Filters
- Audio Preamplifiers
- Pro Audio Mixers
- Headphone Amplifiers
- Transducer Amplifier
- Multichannel Video Transcodes
- Industrial Measurement Equipment

## 3 Description

The SAH4580G is a dual operational amplifier, specially designed for improving the tone control, which is most suitable for the audio application.

Featuring noiseless, higher gain bandwidth, high output current and low distortion ratio, and it is most suitable not only for acoustic electronic parts of audio pre-amp and active filter, but also for the industrial measurement tools. It is also suitable for the headphone amp at higher output current, and further more, it can be applied for the handy type set operational amplifier of general purpose in application of low voltage single supply type which is properly biased of the low voltage source.

The SAH4580G is available in both SOP-8, MSOP- 8, and TSSOP-8 package.

**Device Information<sup>1</sup>**

PART NUMBER	PACKAGE	BODY SIZE (NOM)
SAH4580G	SOIC-8L	4.90mm x 3.92mm
	MSOP-8L	3.00mm x 3.00mm
	TSSOP-8L	4.40mm x 3.00mm

1. For all available packages, see the [Package Information](#) section.