Description

The SAH4378 is a high quality monolithic amplifiers employing Bipolar technology with innovative high performance concepts for quality audio and data signal processing applications. This device incorporates the use of high frequency PNP input transistors to produce amplifiers exhibiting low input offset voltage,noise and distortion.In addition,the amplifier provides high output current drive capability while consuming only 420 μA of drain current per amplifier.The NPN output stage used,exhibits no dead band crossover distortion,large output voltage swing,excellent phase and gain margins,low open-loop high frequency output impedance,symmetrical source and sink AC frequency performance.

The SAH4378 offers dual amplifier versions,tested over the vehicular temperature range,and are available in SOP-8 packages.

Features

- Low Power Supply Current： 1.0mA
- Large Output Voltage Swing (|Vs-1.0V| @2KΩ Load)
- Low Offset Voltage:0.3mV(Mean)
- Low T.C. of Input Offset Voltage:2.0μV/℃
- Low Total Harmonic Distortion:0.0024%
- High Gain Bandwidth:3.0MHz
- Dual Supply Operation: ±2.0V to ±18V
- ESD Clamps on the Inputs Increase Ruggedness without Affecting Device Performance