

Self-Contained Audio Preamp; Package: SOIC; No of Pins: 8; Temperature Range: TBD

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOIC-8
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for SSM2019BRNZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The SSM2019 is a latest generation audio preamplifier, combining SSM preamplifier design expertise with advanced processing. The result is excellent audio performance from a monolithic device, requiring only one external gain set resistor or potentiometer. The SSM2019 is further enhanced by unity gain stability.

Key specifications include ultralow noise (1.5 dB noise figure) and THD (<0.01% at>

Applications for this low-cost device include microphone preamplifiers and bus summing amplifiers in professional and consumer audio equipment, sonar, and other applications requiring a low noise instrumentation amplifier with high gain capability.

## Features

Excellent Noise Performance: 950 pV/rtHz or 1.5 dB Noise Figure

Ultralow $\gamma$

Wide Bandwidth: 1 MHz $\gamma$

High Slew Rate: 20 V/ $\mu$ s (Typical)

Unity Gain Stable

True Differential Inputs

Subaudio 1/f Noise Corner

8-Pin Mini-DIP or 16-Pin SOIC

Only One External Component Required

Very Low Cost

Extended Temperature Range: -40°C to +85°C

## Application

Audio Mix Consoles

Intercom/Paging Systems

Two-Way Radio

Sonar

Digital Audio Systems

## Related Products



### [SSM2143SZ](#)

Analog Devices, Inc  
SOIC-8



### [SSM2211SZ](#)

Analog Devices, Inc  
SOP8



### [SSM2164S](#)

Analog Devices, Inc  
SOP-16



### [SSM2135SZ](#)

Analog Devices, Inc  
SOIC-8



### [SSM3302ACPZ](#)

Analog Devices, Inc  
LFCSP-40



### [SSM2142PZ](#)

Analog Devices, Inc  
DIP-8



### [SSM2165-1S](#)

Analog Devices, Inc  
SOP8



### [SSM2135S](#)

Analog Devices, Inc  
SOIC-8