

Precision Amplifiers ULTRA-PRECISION OP AMP IC

Manufacturers	Analog Devices, Inc
Package/Case	SOIC-8
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for OP177GS or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

OP177GS is a part number that likely refers to an electronic component, specifically an operational amplifier (op-amp) with the prefix "OP" indicating it is a product of Analog Devices Inc., a leading semiconductor company known for its analog and mixed-signal integrated circuits.

Features

High gain: Operational amplifiers typically have a high voltage gain, which allows them to amplify small input signals to larger output signals.

Low input offset voltage: Operational amplifiers typically have low input offset voltage, which minimizes the error in the output caused by input voltage differences.

Wide bandwidth: Operational amplifiers typically have a wide frequency bandwidth, allowing them to handle a range of signal frequencies.

Low noise: Operational amplifiers typically have low noise characteristics, making them suitable for sensitive applications.

Single or dual power supply operation: Operational amplifiers can operate with a single power supply or a dual power supply, depending on the specific model.

Application

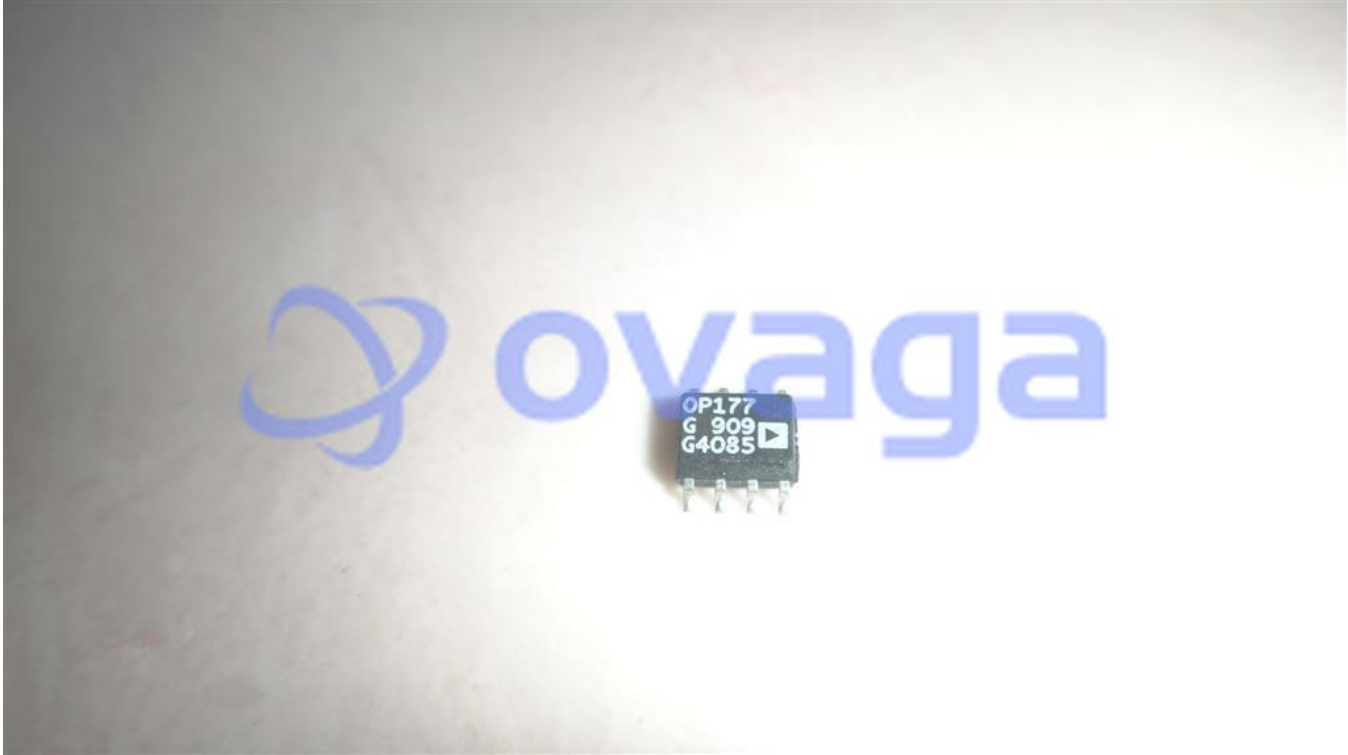
Signal conditioning: Operational amplifiers are commonly used to condition analog signals, such as amplifying, filtering, and scaling signals from sensors, transducers, or other analog sources.

Active filters: Operational amplifiers can be used to design active filters for various filtering requirements, such as low-pass, high-pass, band-pass, and band-reject filters.

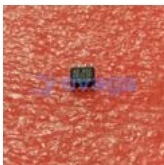
Instrumentation amplifiers: Operational amplifiers can be used to design instrumentation amplifiers, which are used in precision measurement applications that require high input impedance, low noise, and high common-mode rejection.

Audio applications: Operational amplifiers can be used in audio applications, such as audio preamplifiers, equalizers, and audio effects circuits.

Voltage regulators: Operational amplifiers can be used in voltage regulator circuits to provide stable and regulated output voltages.



Related Products



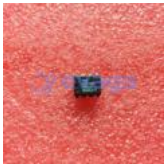
[OP213F](#)

Analog Devices, Inc
SMD/DIP-8/SOP-8



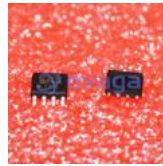
[OP42AZ](#)

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