

Dual, Ultralow Noise Variable Gain Amplifier

Manufacturers	Analog Devices, Inc
Package/Case	SSOP24
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for AD604ARS or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

AD604ARS is a high-performance, low-cost, variable gain amplifier (VGA) designed and manufactured by Analog Devices, Inc. It is a monolithic IC (integrated circuit) that operates over a wide range of frequencies from DC to 300 MHz. The AD604ARS is specifically designed for use in a wide range of applications, including telecommunications, instrumentation, and automatic gain control (AGC) systems.

Features

A variable gain range of -4 dB to 26 dB, which can be set using a single external resistor.

A wide bandwidth of 300 MHz, which makes it suitable for use in high-speed applications.

A low noise figure of 6.5 dB, which ensures that the amplifier does not add significant noise to the signal.

A low distortion of 0.1%, which ensures that the amplifier does not introduce significant harmonic distortion to the signal.

A high input impedance of 1 MΩ, which minimizes loading effects on the signal source.

Application

Automatic gain control (AGC) systems in communication receivers and transmitters.

Active filters and equalizers in audio and video systems.

Instrumentation amplifiers in precision measurement systems.

Wideband RF amplifier in RF signal chains.

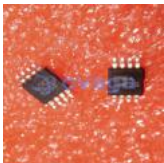


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MSOP-8



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