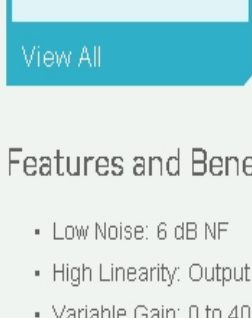
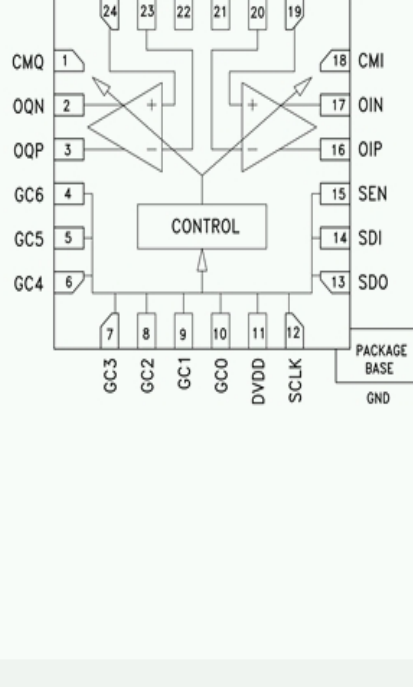


HMC960

DC - 100 MHz Dual Digital Variable Gain Amplifier SMT with Driver

Recommended for New Designs



View All

Features and Benefits

- Low Noise: 6 dB NF
- High Linearity: Output IP3 +30 dBm
- Variable Gain: 0 to 40 dB
- High Bandwidth: DC to 100 MHz
- Precise Gain Accuracy: 0.5 dB Gain Step
- Excellent Magnitude & Phase Response
- Externally Controlled Common Mode Output Level
- Parallel or Serial Gain Control
- Read/Write Serial Port Interface (SPI)
- 24 Lead 4x4 mm SMT Package 16 mm²
- Programmable Input Impedance (400Ω Differential or 100Ω Differential)

Product Categories

- Amplifiers
- Variable Gain Amplifiers

Product Details

The HMC960LP4E is a digitally programmable dual channel variable gain amplifier. It supports discrete gain steps from 0 to 40 dB in precise 0.5 dB steps. It features a glitch free architecture to... [Show More](#)

Comparable Parts | [Click to see all in Parametric Search](#)

Product Lifecycle

Recommended for New Designs

This product has been released to the market. The data sheet contains all final specifications and operating conditions. For new designs, ADI recommends utilization of these products.

Evaluation Kits

EVAl-HMC960LP4E | HMC960LP4E Evaluation Board

Product Details

This page contains ordering information for evaluating the HMC960LP4E.

[View Detailed Evaluation Kit Information](#)

Resources

- HMC960LP4E Eval. PCB Schematic [PDF](#)

Software

[HMC960LP4E Evaluation Software](#)

Documentation

1 See All | 1 Data Sheet

HMC960 Data Sheet [PDF](#) 1.64 M

Reference Materials

3 See All | 2 Quality Documentation | 1 Tape & Reel Specification

<p>Quality Documentation</p> <p>Semiconductor Qualification Test Report: BiCMOS-A (QTR: 2013-00235)</p>	<p>Quality Documentation</p> <p>Package/Assembly Qualification Test Report: LP4, LP4B, LP4C, LP4K (QTR:...</p>	<p>Tape & Reel Specification</p> <p>4 x 4 mm QFN Tape Specification (LP4, LP4B, LP4C, LC4, LC4B)</p>
---	--	--

Design Resources

ADI has always placed the highest emphasis on delivering products that meet the maximum levels of quality and reliability. We achieve this by incorporating quality and reliability checks in every scope of product and process design, and in the manufacturing process as well. "Zero defects" for shipped products is always our goal.

- [HMC960 Material Declaration](#)
- [PCN-PDN Information](#)
- [Quality And Reliability](#)
- [Symbols and Footprints](#)

Discussions

Didn't find what you were looking for?

[Ask the Analog community](#)

Sample & Buy

Model	Package	Pins	Temp Range	Packing Qty	Price (100-499)	Price (1000+)	RoHS	Order from Analog Devices
HMC960LP4E Notify me	16 ld QFN (4x4mm w/2.8mm ep)	24	-40 to 85C	Reel, 50	\$10.56	\$8.56	Y Info	Contact ADI
HMC960LP4ETR Notify me	16 ld QFN (4x4mm w/2.8mm ep)	24	-40 to 85C	Reel, 500	\$10.56	\$8.56	Y Info	Contact ADI

The USA list pricing shown is for BUDGETARY USE ONLY, shown in United States dollars (FOB USA per unit for the stated volume), and is subject to change. International prices may differ due to local duties, taxes, fees and exchange rates. For volume-specific price or delivery quotes, please contact your local Analog Devices, Inc. sales office or authorized distributor. Pricing displayed for Evaluation Boards and Kits is based on 1-piece pricing.

[Price Table Help](#)

Evaluation Boards

Pricing displayed is based on 1-piece.

Model	Description	Price	RoHS
131109-HMC960LP4E	Evaluation Board - HMC960LP4E Evaluation PCB	\$412.91	Yes
131191-HMC960LP4E	Evaluation Board - HMC960LP4E Evaluation Kit	\$650.44	Yes

Pricing displayed is based on 1-piece. The USA list pricing shown is for budgetary use only, shown in United States dollars (FOB USA per unit), and is subject to change. International prices may vary due to local duties, taxes, fees and exchange rates.

9,000 Problem Solvers	2,200 Patents	100,000 Customers	50 Years
--------------------------	------------------	----------------------	-------------

Ahead of What's Possible

ADI enables our customers to interpret the world around us by intelligently bridging the physical and digital with unmatched technologies that sense, measure and connect. We collaborate with our customers to accelerate the pace of innovation and create breakthrough solutions that are ahead of what's possible.

Analog Devices. Dedicated to solving the toughest engineering challenges. [See the Innovations](#)