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HMC1095

HMC1095



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HMC1095

0.5 dB LSB GaAs MMIC 6-bit 75 Ohms Digital Attenuator, DC - 3 GHz

Recommended for New Designs

Overview

Evaluation Kits

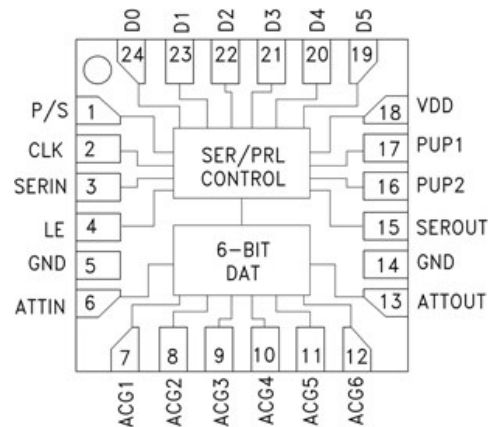
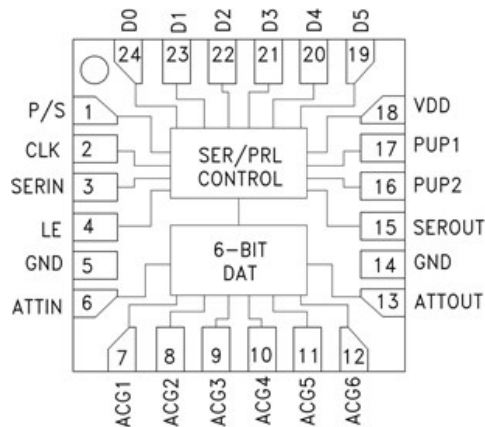
Documentation

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Design Resources

Discussions

Sample & Buy



Data Sheet

View All

Features and Benefits

- 0.5 dB LSB Steps to 31.5 dB
- Power-Up State Selection
- High Input IP3: +57 dBm
- Low Insertion Loss: 1.5 dB @ 1.0 GHz
- TTL/CMOS Compatible, Serial, Parallel or Latched Parallel Control
- ± 0.25 dB Typical Step Error
- Single +3V or +5V Supply
- 16 mm² Leadless SMT Plastic Package

Product Categories

RF & Microwave

- [Digital Step Attenuators](#)

Product Details

The HMC1095LP4E is a broadband 6-bit GaAs IC Digital Attenuator in a low cost leadless SMT package. This versatile digital attenuator incorporates off-chip AC ground capacitors for near DC operation, making it suitable for a wide variety of RF and IF applications. The dual mode control interface is CMOS/TTL compatible, and accepts either a three wire serial input or a 6 bit parallel word. The HMC1095LP4E also features a user selectable power up state and a serial output port for cascading other Hittite serial controlled components. The

The HMC1095LP4E is housed in a RoHS compliant 4x4 mm QFN leadless package,

and requires no external matching components.

Applications

- CATV/ Satellite Set Top Boxes
 - CATV Modems
 - CATV
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Comparable Parts

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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 (1)

EVAL-HMC1095LP4

HMC1095LP4 Evaluation Board

Documentation

 See All

 Data Sheets

HMC1095 Data Sheet

PDF

1.24 M

Reference Materials

 See All

 Tape & Reel Specification

Tape & Reel Specification

**4 x 4 mm QFN Tape
Specification (LP4, LP4B, LP4C,
LC4, LC4B)**

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.

[HMC1095 Material Declaration](#)

[PCN-PDN Information](#)

[Quality And Reliability](#)

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Discussions



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Sample & Buy



Model	Package	Pins	Temp Range	Packing Qty	Price (100-499)	Price (1000+)	RoHS	Order from Analog Devices
HMC1095LP4E Request PCN/PDN Notification Production	24 ld QFN (4x4mm w/2.8mm ep)	24	-40 to 85C	Reel, 50		-	Y Info	Purchase
HMC1095LP4ETR Request PCN/PDN Notification Production	24 ld QFN (4x4mm w/2.8mm ep)	24	-40 to 85C	Reel, 500		-	Y Info	Purchase

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[Price Table Help](#)

[Evaluation Boards](#)

Pricing displayed is based on 1-piece.

Model	Description	RoHS	
EV1HMC1095LP4 Production	Evaluation Board - HMC1095LP4E Evaluation Board	-	Yes

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15,000

Problem Solvers

4,700+

Patents Worldwide

125,000

Customers

50+

Years

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