
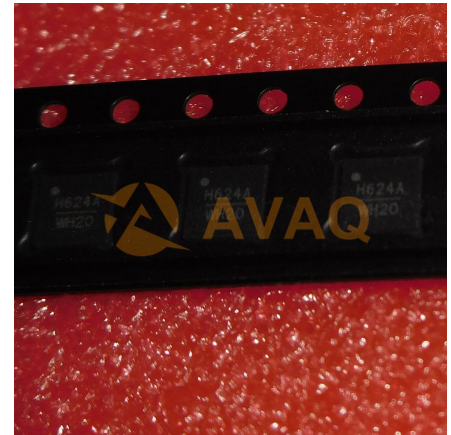


6Bit 0.5dBStep 31.5dB 6GHz 24-Pin LFCSP EP Cut Tape

Manufacturer:	<u>Analog Devices, Inc</u>
Package/Case:	QFN24
Product Type:	RF Integrated Circuits
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The HMC624A is a 6-bit digital attenuator with a 31.5 dB attenuation control range in 0.5 dB steps.

The HMC624A offers excellent attenuation accuracy and high input linearity over the specified frequency range from 100 MHz to 6.0 GHz. However, this digital attenuator features external ac grounding capacitors to extend the operation below 100 MHz.

The HMC624A is integrated with two dies: a CMOS driver and a gallium arsenide (GaAs) RF attenuator. The CMOS driver provides both serial and parallel control of the RF attenuator. The device also features a user-selectable power-up state and a serial output port for cascading other serial controlled components.

The HMC624A operates with a single positive supply voltage from 3 V to 5 V, and provides a CMOS-/TTL-compatible control interface.

The HMC624A comes in a RoHS compliant, compact, 4 mm × 4 mm LFCSP package, and is pin compatible to the HMC1122 except for the ACGx pins.

Key Features

0.5dB LSB steps to 31.5dB

Power-up state selection

High input IP3 (+55dBm)

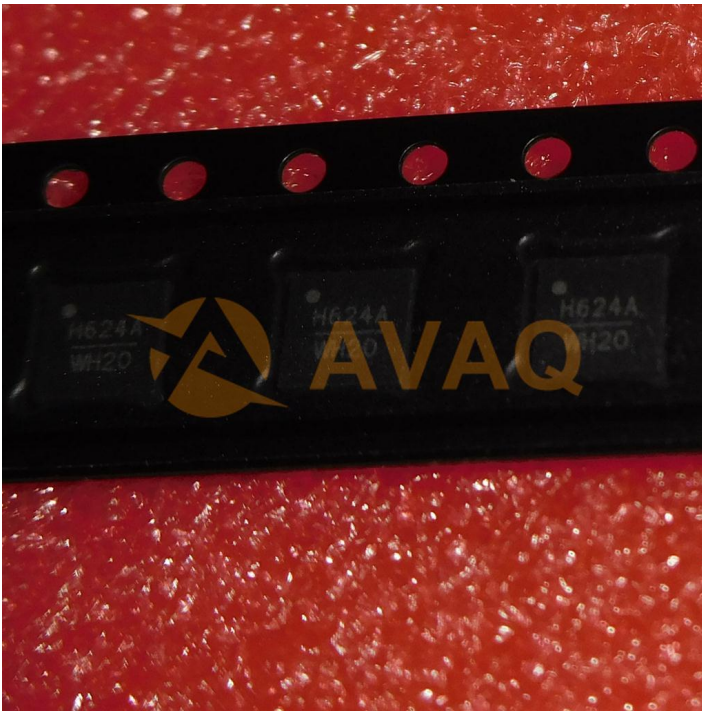
Low insertion loss (2.2dB at 3.5GHz)

TTL/CMOS compatible, serial, parallel or latched parallel control

±0.25dB Typical step error

Application

Portable Devices, Communications & Networking, Wireless, Microwave, Test & Measurement, Sensing & Instrumentation, RF Communications



Recommended For You

HMC952ALP5GE

Analog Devices, Inc

QFN

HMC361S8GE

Analog Devices, Inc

SOP-8

HMC253AQS24E

Analog Devices, Inc

QFN

HMC346MS8G

Analog Devices, Inc

MSOP8

HMC1119LP4ME

Analog Devices, Inc

QFN

HMC659LC5

Analog Devices, Inc

QFN

HMC909LP4E

Analog Devices, Inc

QFN

HMC564LC4

Analog Devices, Inc

QFN

HMC1021LP4E

Analog Devices, Inc

QFN

HMC241AQS16E

Analog Devices, Inc

SSOP16

HMC424LP3E

Analog Devices, Inc

QFN

HMC662LP3E

Analog Devices, Inc

QFN

HMC8038LP4CE

Analog Devices, Inc

QFN16

HMC363S8G

Analog Devices, Inc

SOP8

HMC394LP4E

Analog Devices, Inc

QFN