


## 6Bit 0.5dBStep 31.5dB 13GHz 9-Pin Die Tray

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>
<b>Package/Case:</b>	Waffle
<b>Product Type:</b>	RF Integrated Circuits
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The HMC424A die is a broadband 6-bit GaAs IC digital attenuator MMIC chip. Covering DC to 13 GHz, the insertion loss is less than 4 dB typical. The attenuator bit values are 0.5 (LSB), 1, 2, 4, 8, and 16 dB for a total attenuation of 31.5 dB. Attenuation accuracy is excellent at  $\pm 0.5$  dB typical step error with an IIP3 of +42 dBm. Six control voltage inputs, toggled between 0 and -5V, are used to select each attenuation state. A single Vee bias of -5V allows operation at frequencies down to DC.

### Key Features

- 0.5 dB LSB Steps to 31.5 dB
- Single Control Line Per Bit
- Die Size: 1.45 x 0.85 x 0.1 mm

### Application

- Fiber Optics & Broadband Telecom
- Microwave Radio & VSAT
- Military Radios, Radar & ECM
- Space Applications

### Recommended For You

#### HMC624ALP4E

Analog Devices, Inc  
QFN24

#### 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