
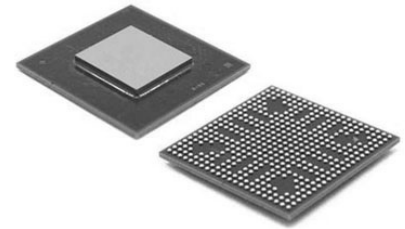


## RF Amp Single LNA 10GHz 6V 6-Pin LFCSP EP T/R

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>
<b>Package/Case:</b>	LFCSP
<b>Product Type:</b>	Amplifier ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The HMC8410 is a gallium arsenide (GaAs), monolithic microwave integrated circuit (MMIC), pseudomorphic high electron mobility transistor (pHEMT), low noise wideband amplifier that operates from 0.01 GHz to 10 GHz. The HMC8410 provides a typical gain of 19.5 dB, a 1.1 dB typical noise figure, and a typical output IP3 of 33 dBm, requiring only 65 mA from a 5 V supply voltage. The saturated output power (PSAT) of up to 22.5 dBm enables the low noise amplifier (LNA) to function as a local oscillator (LO) driver for many of Analog Devices, Inc., balanced, I/Q or image rejection mixers.

The HMC8410 also features inputs/outputs (I/Os) that are internally matched to 50 Ω, making it ideal for surface-mounted technology (SMT)-based, high capacity microwave radio applications.

The HMC8410 is housed in a RoHS-compliant, 2 mm × 2 mm, LFCSP package.

Multifunction pin names can be referenced by their relevant function only.

### Key Features

Low noise figure: 1.1 dB typical

High gain: 19.5 dB typical

High output third-order intercept (IP3): 33 dBm typical

6-lead, 2 mm × 2 mm LFCSP package

### Application

Software defined radios

Electronics warfare

Radar 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