

RF Amplifier 0.3-20GHz lo NOISE amp

Manufacturers	Analog Devices, Inc
Package/Case	QFN-32
Product Type	RF Amplifiers
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for HMC1049LP5E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC1049LP5E is a GaAs MMIC low noise amplifier(LNA) that operates between 0.3 GHz and 20 GHz. This LNA provides 15 dB of small signal gain, 1.8 dB noise figure, and an IP3 output of 29 dBm, yet requires only 70 mA from a 7 V supply. The P1dB output power of 14.5 dBm enables the LNA to function as a local oscillator (LO) driver for balanced, I/Q, or image rejection mixers. VDD can also be applied to Pin 21, although Pin 21 requires a bias tee with >

Features

Low noise figure: 1.8 dB

P1dB output power: 14.5 dBm

PSAT output power: 17.5 dBm

High gain: 15 dB

Output IP3: 29 dBm

Supply voltage:>

50 Ω matched input/output (I/O)

32-lead, 5 mm \times 5 mm LFCSP package: 25 mm²

HMC1049SCPZ-EP Supports Defense and Aerospace Applications (AQEC standard)

[Download\(pdf\)](#)

Controlled manufacturing baseline

1 assembly/test site

Application

Test instrumentation

High linearity microwave radios

VSAT and SATCOM

Military and space



Related Products



[HMC3653LP3BE](#)

Analog Devices, Inc
QFN-12



[HMC253AQS24](#)

Analog Devices, Inc
24-SSOP (0.154, 3.90mm Width)



[HMC358MS8GE](#)

Analog Devices, Inc
MSOP-8



[HMC453ST89E](#)

Analog Devices, Inc
ST89E



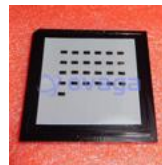
[HMC441LP3E](#)

Analog Devices, Inc
QFN-16



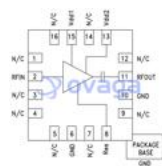
[HMC948LP3E](#)

Analog Devices, Inc
LP3



[HMC490](#)

Analog Devices, Inc
SMD



[HMC618ALP3E](#)

Analog Devices, Inc
QFN-16