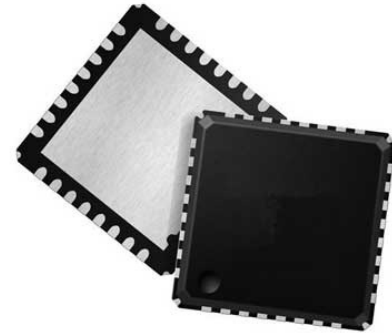


IC RF AMP VSAT 0HZ-30GHZ DIE

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	QFN32
Product Type	RF Amplifiers
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for HMC994A or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The HMC994A is a GaAs MMIC pHEMT Distributed Power Amplifier which operates between DC and 30 GHz. The amplifier provides 14 dB of gain, +39 dBm output IP3 and +28 dBm of output power at 1 dB gain compression while requiring 250 mA from a +10 V supply. The HMC994A exhibits a slightly positive gain slope from 2 to 20 GHz, making it ideal for EW, ECM, Radar and test equipment applications. With up to 39 dBm Output IP3 the HMC994A is ideal for high linearity applications in military and space as well as test equipment where high order modulations are used. The HMC994A amplifier I/Os are internally matched to 50 Ohms facilitating integration into Multi-Chip-Modules (MCMs). All data is taken with the chip connected via two 0.025 mm (1 mil) wire bonds of minimal length 0.31 mm (12 mils).

## Features

High P1dB Output Power: 28 dBm

High Psat Output Power: 30 dBm

High Gain: 14 dB

High Output IP3: 39 dBm

Supply Voltage: +10 V @ 250 mA

50 Ohm Matched Input/Output

Die Size: 2.75 x 1.45 x 0.1 mm

## Application

Test Instrumentation

Military & Space

Fiber Optics

## Related Products



[HMC3653LP3BE](#)

Analog Devices, Inc  
QFN-12



[HMC441LP3E](#)

Analog Devices, Inc  
QFN-16



[HMC253AQS24](#)

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



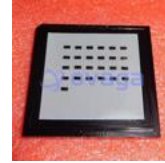
[HMC948LP3E](#)

Analog Devices, Inc  
LP3



[HMC358MS8GE](#)

Analog Devices, Inc  
MSOP-8



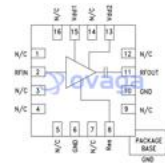
[HMC490](#)

Analog Devices, Inc  
SMD



[HMC453ST89E](#)

Analog Devices, Inc  
ST89E



[HMC618ALP3E](#)

Analog Devices, Inc  
QFN-16