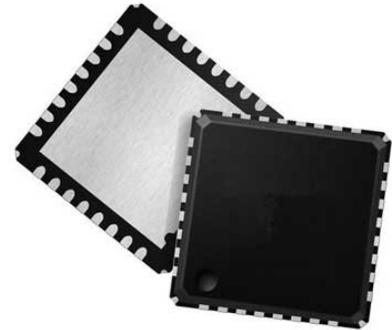


RF Amp Chip Single Power Amp 6GHz 14V 32-Pin QFN EP T/R

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



Images are for reference only

Please submit RFQ for HMC637ALP5E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC637ALP5E is a gallium arsenide (GaAs), monolithic microwave integrated circuit (MMIC), pseudomorphic high electron mobility transistor (pHEMT) distributed power amplifier which operates between 0.1 GHz and 6 GHz. The amplifier provides 13 dB of gain, 44 dBm output third-order intercept (IP3), and 29 dBm of output power at 1 dB gain compression while requiring 400 mA from a 12 V supply. Gain flatness is ± 0.75 dB from 100 MHz to 6 GHz making the HMC637ALP5E ideal for electronic warfare (EW), electronic counter-measure (ECM), radar and test equipment applications. The HMC637ALP5E amplifier radio frequency (RF) I/Os are internally matched to 50Ω , and the $5 \text{ mm} \times 5 \text{ mm}$ lead frame chip scale package (LFCSP) is compatible with high volume surface-mount technology (SMT) assembly equipment.

Features

P1dB output power: 29 dBm

Gain: 13 dB

Output IP3: 44 dBm

50 Ω matched input/output

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

Download the(pdf)

Military temperature range: -55°C to $+105^{\circ}\text{C}$

Controlled manufacturing baseline

1 assembly/test site

1 fabrication site

Product change notification

Qualification data available on request

Application

Telecom infrastructure

Microwave radio

Very small aperture terminal (VSAT)

Military and space

Test instrumentation

Fiber optics

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



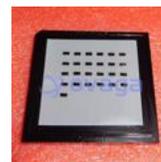
[HMC441LP3E](#)

Analog Devices, Inc
QFN-16



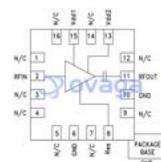
[HMC948LP3E](#)

Analog Devices, Inc
LP3



[HMC490](#)

Analog Devices, Inc
SMD



[HMC618ALP3E](#)

Analog Devices, Inc
QFN-16