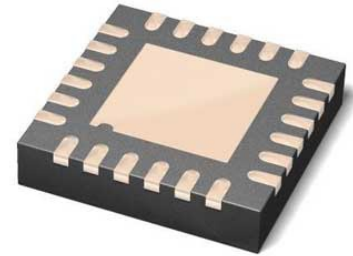


RF Amplifier, GaAs HEMT, 17 dB Gain / 4.5 dB Noise, 14 GHz to 27 GHz, 4 V Supply, QFN-24

Manufacturers	Analog Devices, Inc
Package/Case	QFN24
Product Type	RF Amplifiers
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for HMC504LC4B or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC504LC4B is a GaAs MMIC Low Noise Wideband Amplifier housed in a leadless 4×4 mm ceramic surface mount package. The amplifier operates between 14 and 27 GHz, providing up to 19 dB of small signal gain, 2.2 dB noise figure, and output IP3 of +26 dBm, while requiring only 90 mA from a +4V supply. The P1dB output power of up to +17 dBm enables the LNA to function as a LO driver for balanced, I/Q or image reject mixers. The HMC504LC4B also features I/Os that are DC blocked and internally matched to 50 Ohms, making it ideal for high capacity microwave radios or VSAT applications. This versatile LNA is also available in die form as the HMC-ALH476.

Features

Noise Figure: 2 dB @ 20 GHz

Gain: 19 dB

P1dB Output Power: +17 dBm

Supply Voltage: +4V @ 90 mA

Output IP3: +26 dBm

50 Ohm matched Input / Output

24 Lead 4×4mm SMT Package: 16mm²

Application

Point-to-Point Radios

Point-to-Multi-Point Radios

Military & Space

Test Instrumentation

Related Products

