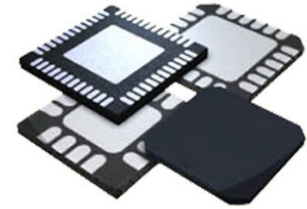


RF Amp Single Power Amp 11.5GHz 7V 24-Pin CLLCC EP T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Analog Devices, Inc](#)

Package/Case: QFN

Product Type: Amplifier ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The HMC608LC4 is a high dynamic range GaAsPHEMT MMIC Medium Power Amplifier housed in a leadless “Pb free” SMT package. The amplifier has two modes of operation: high gain mode (Vpd pin shorted to ground); and low gain mode (Vpd pin left open). The electrical specifications in the table below are shown for the amplifier operating in high gain mode. Operating from 9.5 to 11.5 GHz, the amplifier provides 29.5 dB of gain, +27.5 dBm of saturated power and 23% PAE from a +5V supply voltage. Noise figure is 6 dB while output IP3 is +33 dBm. The RF I/Os are DC blocked and matched to 50 Ohms for ease of use. The HMC608LC4 eliminates the need for wire bonding, allowing use of surface mount manufacturing techniques.

Key Features

Output IP3: +33 dBm

Saturated Power: +27.5 dBm @ 23% PAE

Gain: 29.5 dB

Supply: +5V @ 310 mA

50 Ohm Matched Input/Output

RoHS Compliant 4x4 mm SMT Package

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